

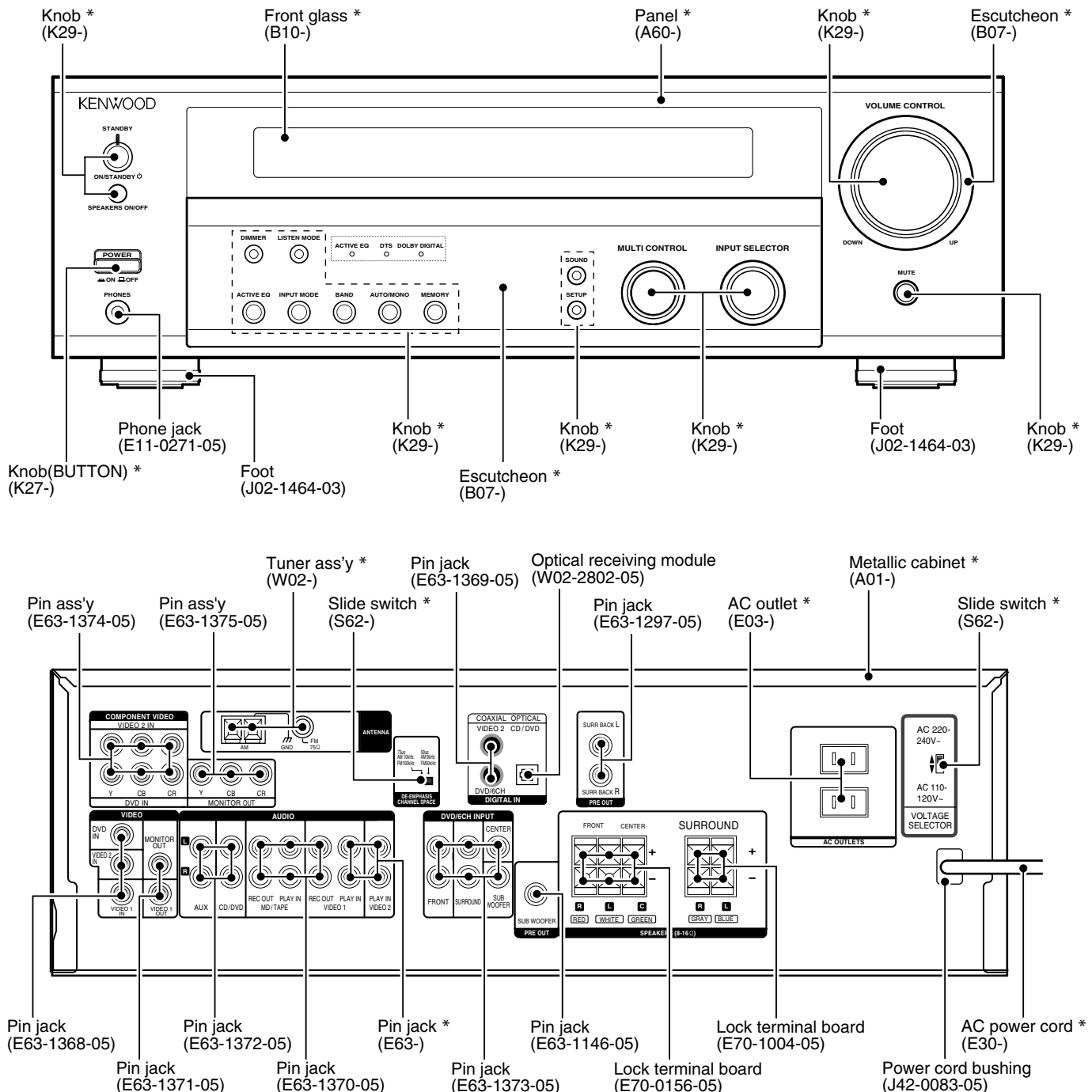
KRF-V5090D/V5090D-S

KRF-V6090D/V6090D-S

VR-905/905-S/906/906-S

SERVICE MANUAL

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B51-5941-00 (K/K) 1010



Illust. is KRF-V5090D.

* Refer to parts list on page 23.

This product uses
LEAD-FREE SOLDER



KRF-V5090D/V6090D/VR-905/906

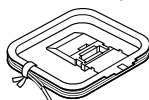
ACCESSORIES / CAUTIONS

Accessories

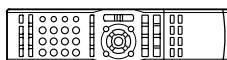
FM indoor antenna (1)
(T90-0855-05): YXE
(T90-0905-05): KP



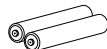
AM loop antenna (1)
(T90-0893-05)



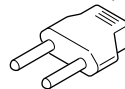
Remote control unit (1)
RC-R0630/R0630E
(A70-1669-05): KPY
(A70-1670-05): EX



Batteries (R03/AAA) (2)



*AC plug adapter (1)
(E03-0508-05)



*Use to adapter the plug on the power cord to the sape of the wall outlet.
(Accessory only for regions where use is necessary.)

MODEL vs UNIT

MODEL		SURROUND	AUDIO	DISPLAY	ELECTRIC
VR-906/-S	K	X08-3420-10	X09-6970-10	X14-7930-10	
VR-906/-S	P				
KRF-V6090D	Y	X08-3422-91	X09-6972-91	X14-7932-91	X25-6730-10
KRF-V6090D-S	X	X08-3420-11	X09-6970-71	X14-7930-71	
KRF-V6090D/D-S	E		X09-6972-71	X14-7932-71	
VR-905-S	K	X08-3420-10	X09-6970-11	X14-7930-11	-
VR-905/-S	P				
KRF-V5090D/D-S	Y	X08-3422-92	X09-6972-92	X14-7932-92	X25-6730-10
KRF-V5090D-S	X	X08-3420-10	X09-6970-72	X14-7930-72	
KRF-V5090D/D-S	E		X09-6972-72	X14-7932-72	-

Cautions

Resetting the Microcomputer

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

- Please note that resetting the microcomputer will clear the contents of the memory and return the unit to the state it was in when it left the factory.

For the U.S.A. and Canada

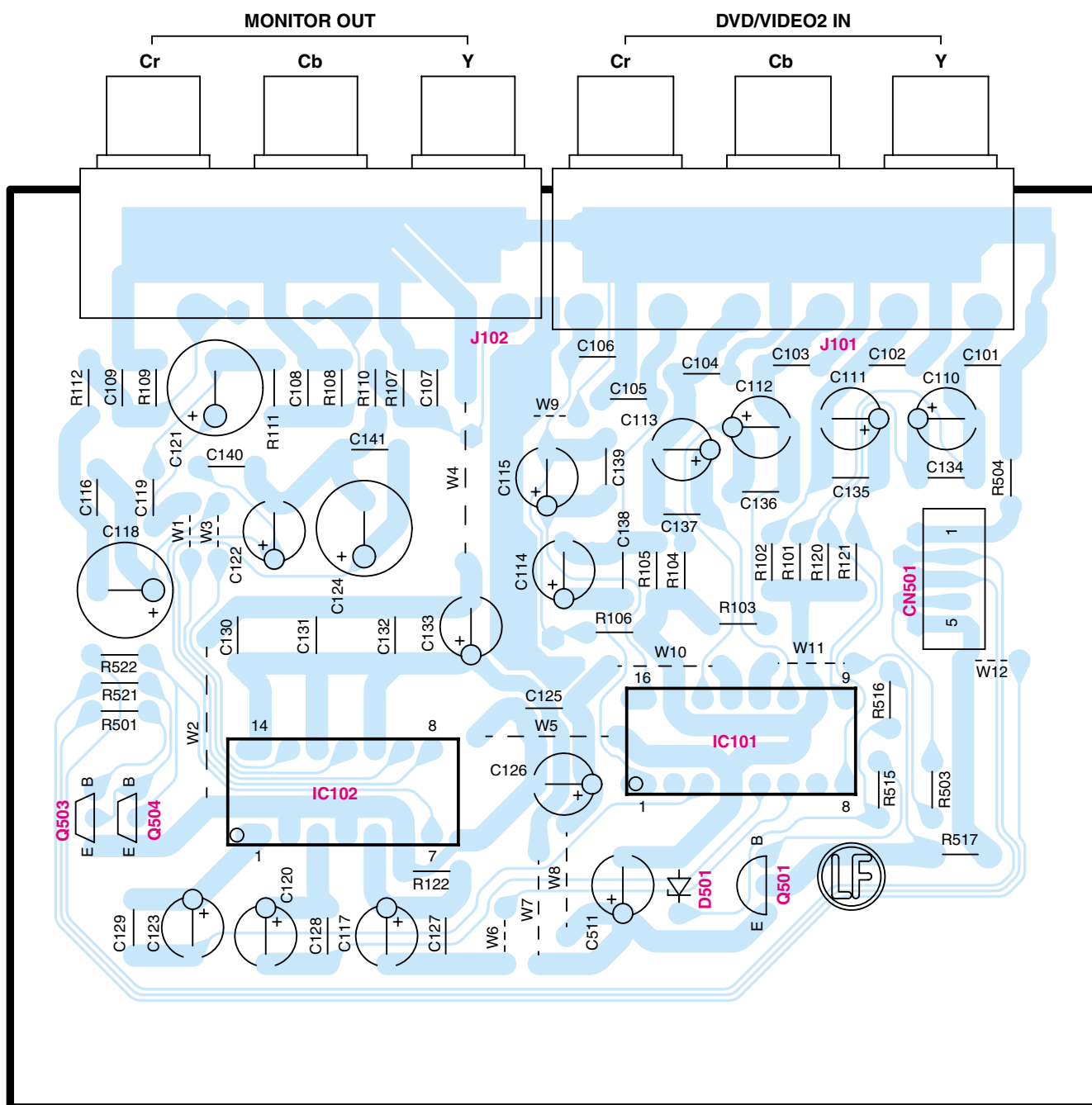
Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER ON/STANDBY key.

For other countries

With the power cord plugged in, turn the POWER ON/OFF key OFF. Then, while holding down the ON/STANDBY key, press POWER ON/OFF key.

PC BOARD (Component side view)

X25-6730-10 (J75-0057-02)

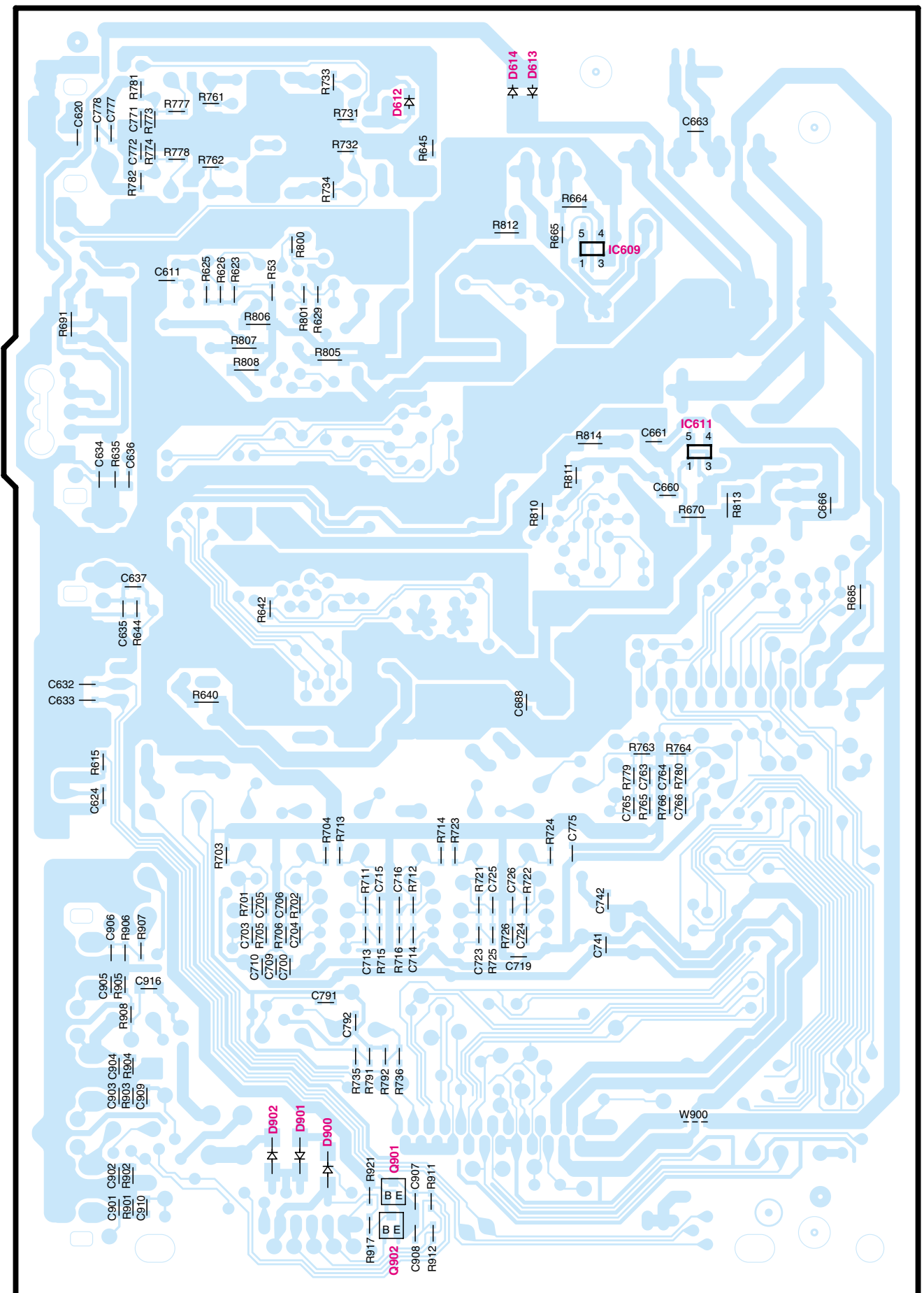


X08-3420-10 (J75-0054-02) (SIDE A)



4

X08-3420-10 (J75-0054-02) (SIDE B)



K	L	M	N	O	P	Q	R	S	T
---	---	---	---	---	---	---	---	---	---

K	L	M	N	O	P	Q	R	S	T
---	---	---	---	---	---	---	---	---	---

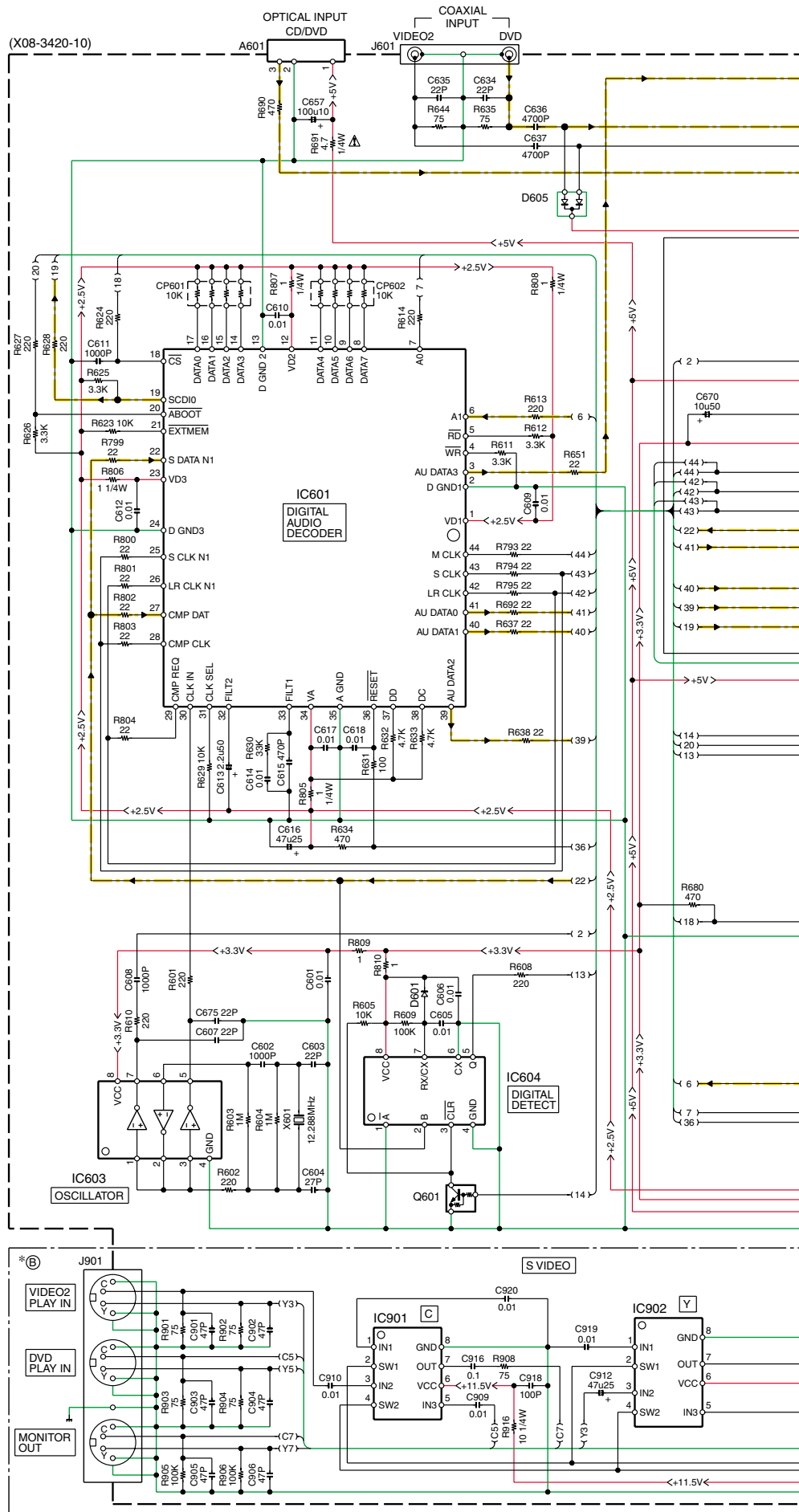


K	L	M	N	O	P	Q	R	S	T
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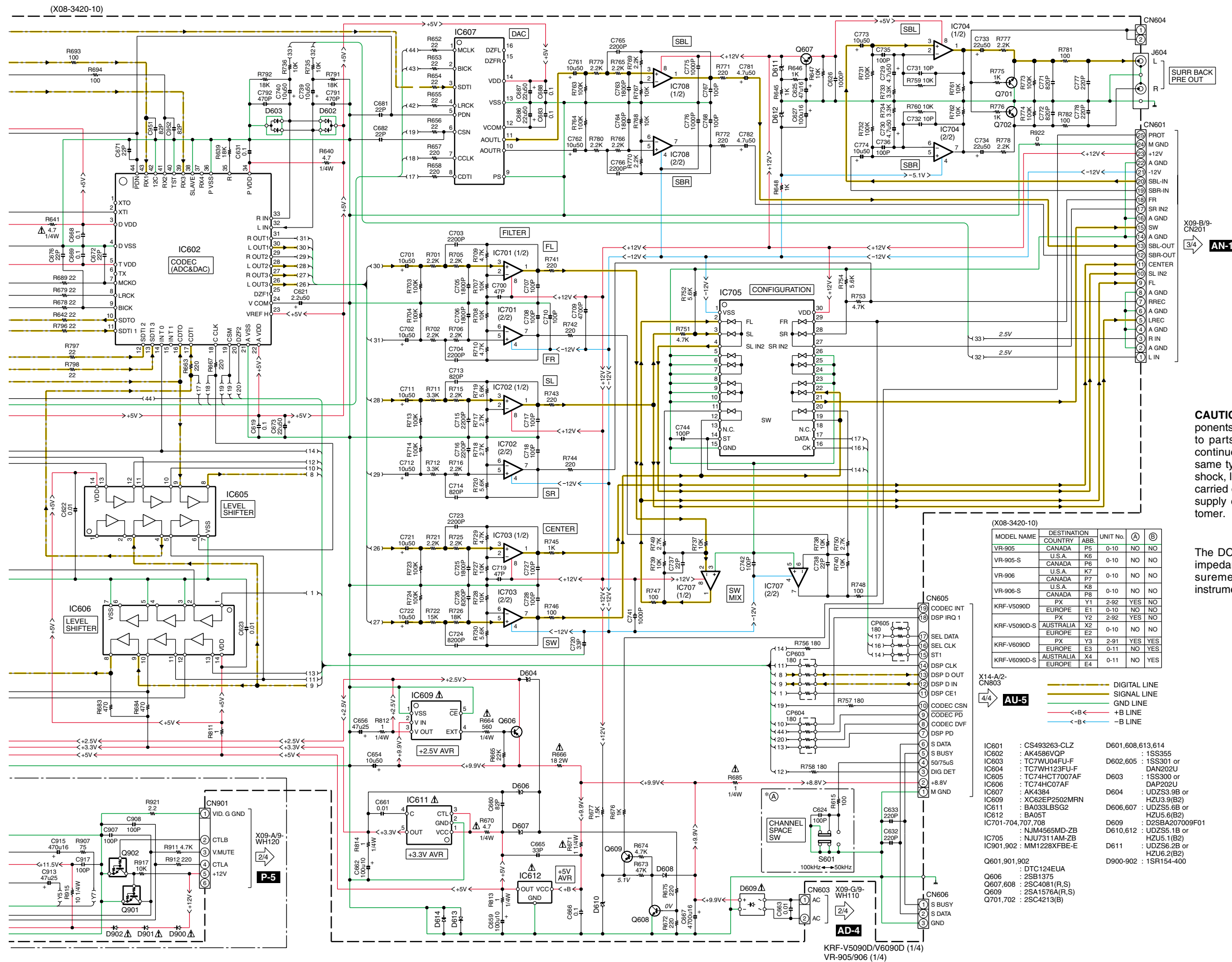
7



1
2
3
4
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7



KRF-V5090D/V6090D/VR-905/906



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

(X08-3420-10)						
MODEL NAME	DESTINATION		UNIT NO.	(A)	(B)	
	COUNTRY	ABB.				
VR-90S	U.S.A.	P6	0-10	NO	NO	
VR-90S-S	U.S.A.	P6	0-10	NO	NO	
VR-90E	U.S.A.	K7	0-10	NO	NO	
	CANADA	P7				
VR-90E-S	U.S.A.	K8	0-10	NO	NO	
	CANADA	P8				
KRF-V5090D	PX	Y1	2-92	YES	YES	
	EUROPE	E1	0-10	NO	NO	
	PX	Y2	2-92	YES	YES	
KRF-V5090D-S	AUSTRALIA	X2	0-10	NO	NO	
	EUROPE	E2				
KRF-V6090D	PX	Y3	2-91	YES	YES	
	EUROPE	E3	0-11	NO	NO	
	AUSTRALIA	X4	0-11	NO	NO	YES
KRF-V6090D-S	EUROPE	F4				

X14-A/2-
CN803

4/4 **AU-5**

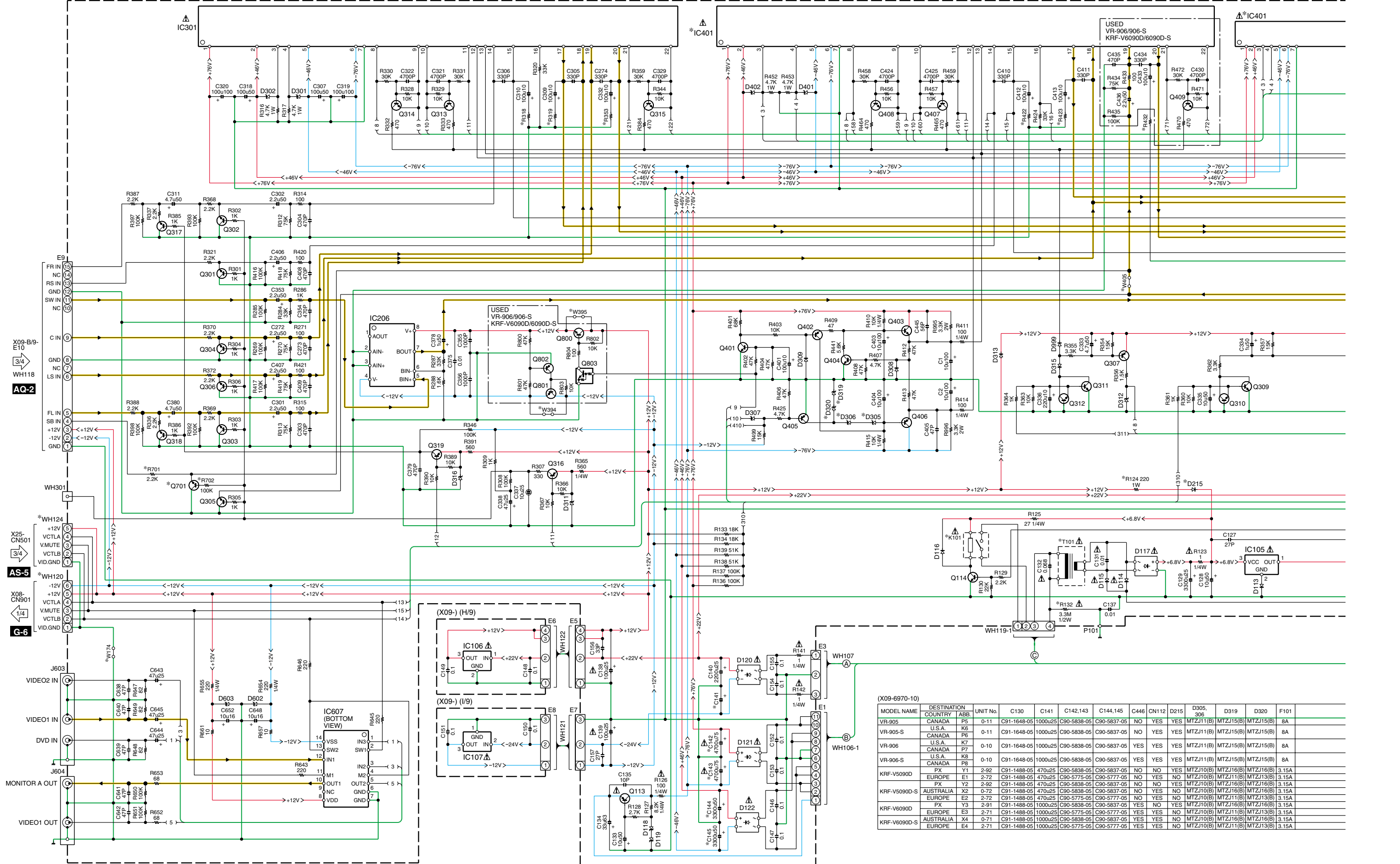
DIGITAL LINE
SIGNAL LINE
GND LINE
+B LINE
-B LINE

IC601	: CS493263-CLZ	D601,608,613,614
IC602	: AK4586VOP	: 1SS355
IC603	: TC7WU04FU-F	D602,605 : 1SS301 or
IC604	: TC7WH123FU-F	DAN202U
IC605	: TC74HCT7007AF	D603 : 1SS300 or
IC606	: TC74HC07AF	DAP202U
IC607	: AK4384	D604 : UDZS3.9B or
IC609	: XC62EP2502MRN	HZU3.9(B)E2
IC611	: BA033LBSG2	D606,607 : UDZS5.6B or
IC612	: BA05T	HZU5.6(B)E2
IC701-704,707,708		D609 : D2SBA207009F0
	: NJM4565MD-ZB	D610,612 : UDZS5.1B or
IC705	: NJU7311AM-ZB	HZU5.1(B)E2
IC901,902	: MM128XFB-E	D611 : UDZS6.2B or
		HZU6.2(B)E2
Q601,901,902		D900-902 : 1SR154-400
	: DTC124EUA	
Q606	: 2SB1375	
Q607,608	: 2SC4081(R,S)	
Q609	: 2SA1576A(R,S)	
Q701,702	: 2SC4213(B)	

P Q R S T U V W X Y

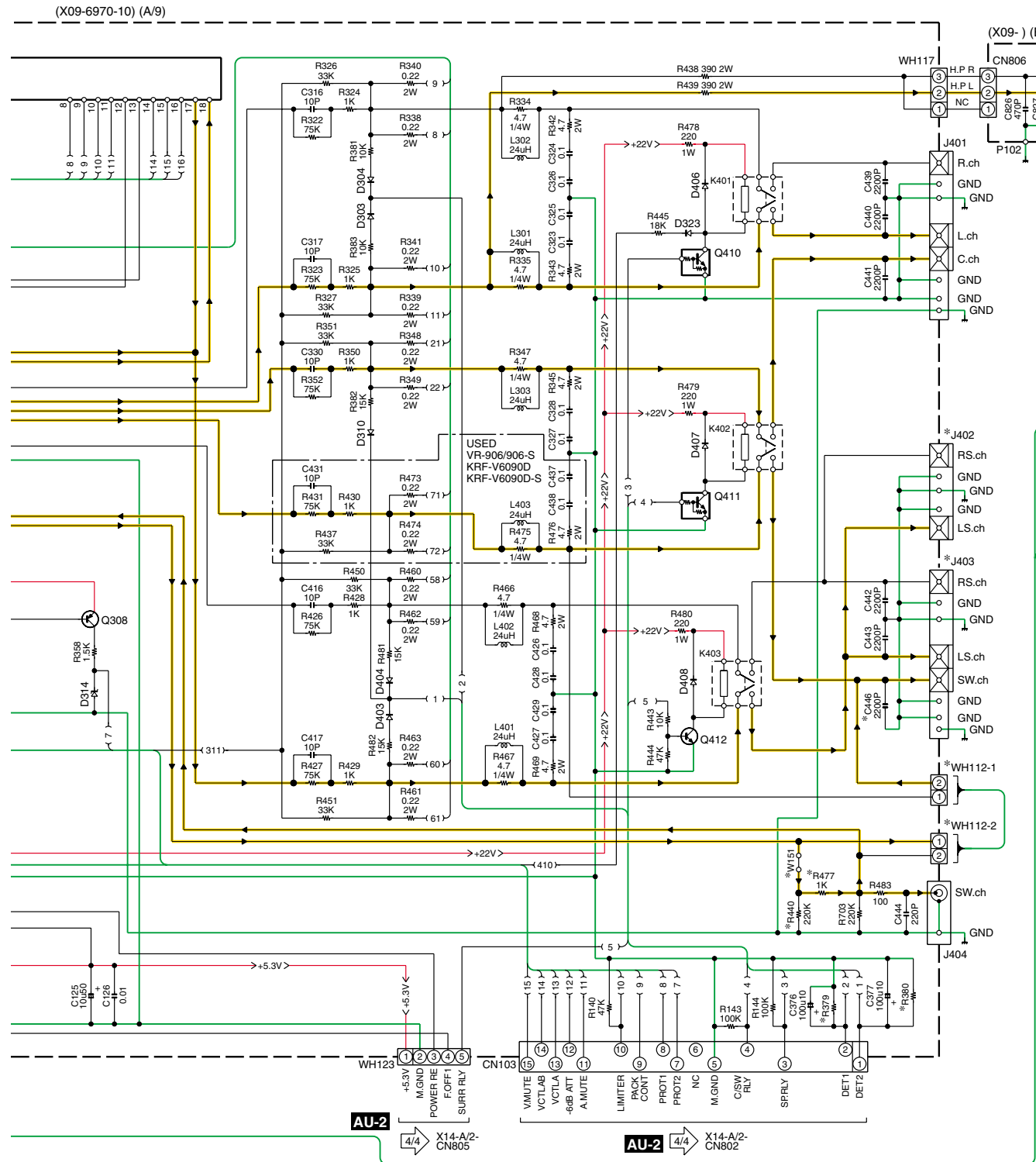
KRF-V5090D/V6090D/VR-905/906

(X09-6970-10) (A/9)



(X09-6970-10)

MODEL NAME	COUNTRY	ABB	UNIT No.	C130	C141	C142,143	C144,145	C446	CN112	D215	D305, 306	D319	D320	F101
VR-905	CANADA	P5	0-11	C91-1648-05	1000u25	C90-5838-05	C90-5837-05	NO	YES	YES	MTZJ11(B)	MTZJ15(B)	MTZJ15(B)	8A
VR-905-S	U.S.A.	K6	0-11	C91-1648-05	1000u25	C90-5838-05	C90-5837-05	NO	YES	YES	MTZJ11(B)	MTZJ15(B)	MTZJ15(B)	8A
VR-906	U.S.A.	K7	0-10	C91-1648-05	1000u25	C90-5838-05	C90-5837-05	YES	YES	YES	MTZJ11(B)	MTZJ15(B)	MTZJ15(B)	8A
VR-906-S	CANADA	P7	0-10	C91-1648-05	1000u25	C90-5838-05	C90-5837-05	YES	YES	YES	MTZJ11(B)	MTZJ15(B)	MTZJ15(B)	8A
KRF-V5090D	PX	Y1	2-92	C91-1488-05	470u25	C90-5838-05	C90-5837-05	NO	NO	YES	MTZJ10(B)	MTZJ16(B)	MTZJ16(B)	3.15A
KRF-V5090D-S	EUROPE	E1	2-72	C91-1488-05	470u25	C90-5838-05	C90-5837-05	NO	YES	NO	MTZJ10(B)	MTZJ11(B)	MTZJ13(B)	3.15A
KRF-V6090D	PX	Y2	2-92	C91-1488-05	470u25	C90-5838-05	C90-5837-05	NO	NO	YES	MTZJ10(B)	MTZJ16(B)	MTZJ16(B)	3.15A
KRF-V6090D-S	EUROPE	E2	2-72	C91-1488-05	470u25	C90-5838-05	C90-5837-05	YES	YES	NO	MTZJ10(B)	MTZJ11(B)	MTZJ13(B)	3.15A
KRF-V6090D	EUROPE	E3	2-71	C91-1488-05	1000u25	C90-5838-05	C90-5837-05	YES	YES	NO	MTZJ10(B)	MTZJ11(B)	MTZJ13(B)	3.15A
KRF-V6090D-S	AUSTRALIA	X4	0-71	C91-1488-05	1000u25	C90-5838-05	C90-5837-05	YES	YES	NO	MTZJ10(B)	MTZJ16(B)	MTZJ16(B)	3.15A
KRF-V6090D-S	EUROPE	E4	2-71	C91-1488-05	1000u25	C90-5838-05	C90-5837-05	YES	YES	NO	MTZJ10(B)	MTZJ11(B)	MTZJ13(B)	3.15A

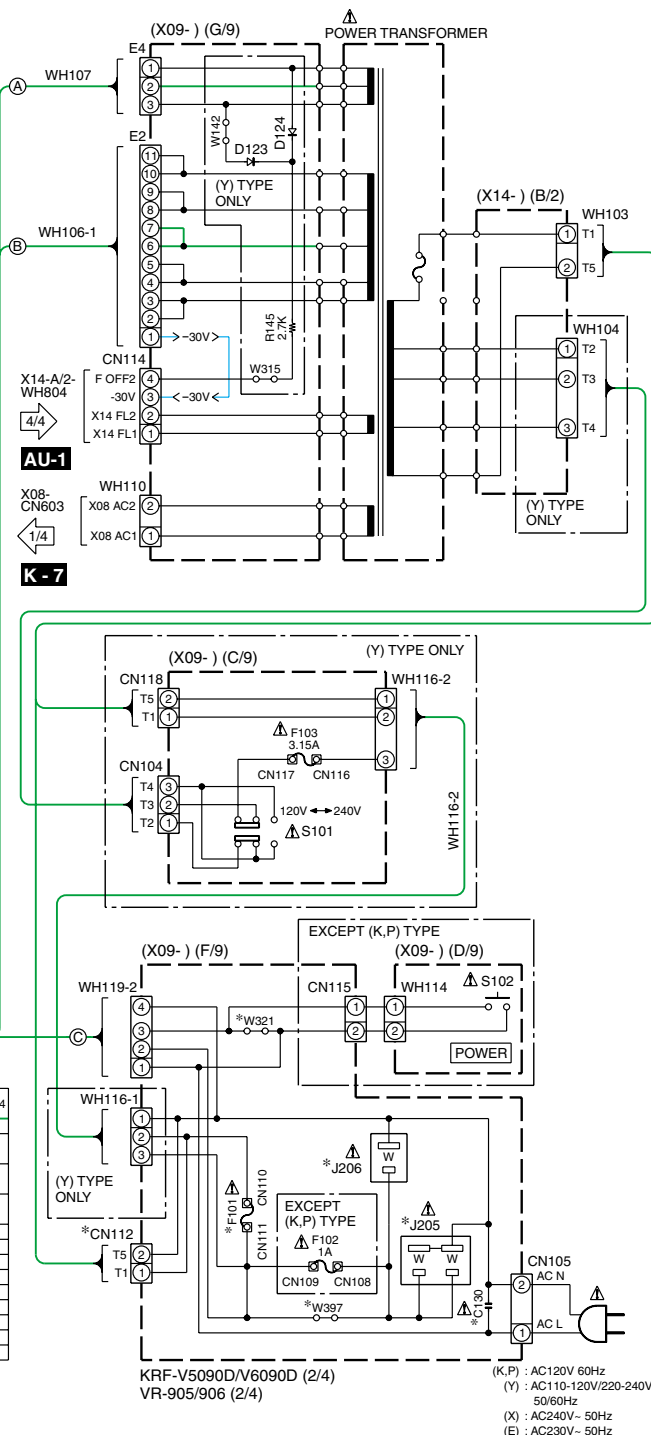


IC401	J205	J206	J402	J403	K101	Q701	R124	R132	R318,319,353,422,423	R379,380	R432	R440	R477	R701,702	T101	W151	W174	W321,397	W394,395	W405	WH112	WH120	WH124
STK-412-220A-E	E03-0396-05	NO	YES	NO	S76-0099-05	YES	YES	YES	680	1.2K	NO	NO	NO	YES	L07-2758-05	NO	NO	YES	YES	NO	YES	NO	NO
STK-412-220A-E	E03-0396-05	NO	YES	NO	S76-0099-05	YES	YES	YES	680	1.2K	NO	NO	NO	YES	L07-2758-05	NO	NO	YES	YES	NO	YES	NO	NO
STK-412-220A-E	E03-0396-05	NO	NO	YES	S76-0099-05	YES	YES	YES	680	1.2K	680	YES	YES	YES	L07-2758-05	YES	YES	YES	NO	NO	NO	NO	YES
STK-412-220A-E	E03-0396-05	NO	YES	NO	S76-0102-05	NO	YES	NO	680	1.2K	NO	NO	NO	NO	L07-2805-05	NO	YES	NO	YES	YES	YES	NO	YES
STK-412-220A-E	E03-0398-05	NO	YES	NO	S76-0102-05	NO	NO	NO	820	1.5K	NO	NO	NO	NO	L07-2758-05	NO	NO	YES	YES	YES	YES	NO	NO
STK-412-220A-E	E03-0396-05	NO	YES	NO	S76-0102-05	NO	YES	NO	680	1.2K	NO	NO	NO	NO	L07-2758-05	NO	NO	YES	YES	YES	YES	NO	YES
STK-412-220A-E	E03-0398-05	NO	YES	NO	S76-0102-05	NO	NO	NO	820	1.5K	NO	NO	NO	NO	L07-2758-05	NO	NO	YES	YES	YES	YES	NO	YES
STK-413-220A-E	E03-0396-05	NO	NO	YES	S76-0102-05	YES	YES	NO	680	1.2K	680	YES	YES	YES	L07-2805-05	YES	YES	NO	NO	NO	NO	YES	YES
STK-413-220A-E	E03-0398-05	NO	NO	YES	S76-0102-05	YES	NO	NO	820	1.5K	820	YES	YES	YES	L07-2758-05	YES	YES	NO	NO	NO	NO	YES	YES
STK-413-220A-E	E03-0396-05	NO	YES	NO	S76-0102-05	YES	NO	NO	680	1.2K	680	YES	YES	YES	L07-2758-05	YES	YES	NO	NO	NO	NO	YES	YES
STK-413-220A-E	E03-0398-05	NO	NO	YES	S76-0102-05	YES	NO	NO	820	1.5K	820	YES	YES	YES	L07-2758-05	YES	YES	NO	NO	NO	NO	YES	YES

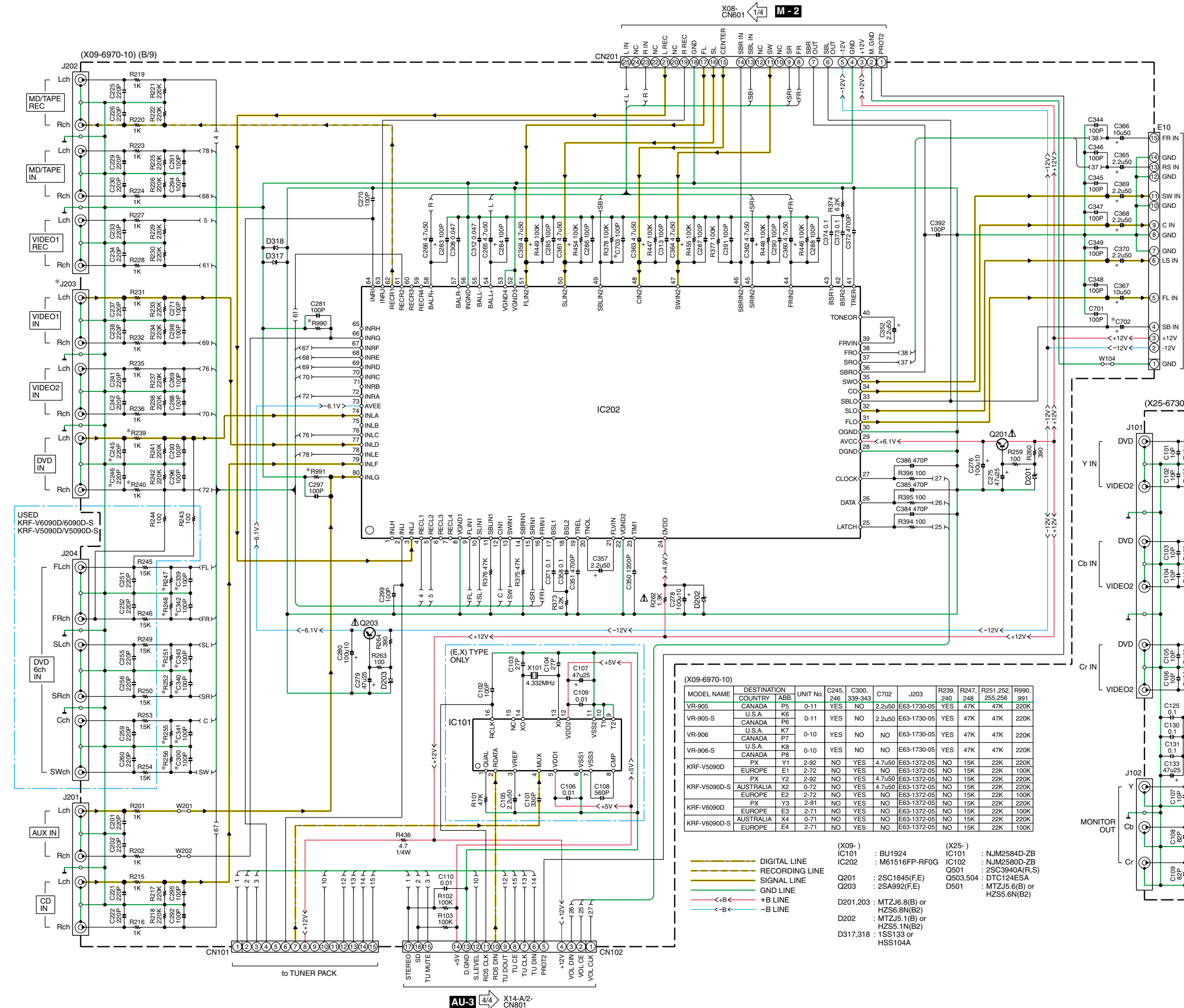
- IC105 : BA05T
 IC106 : KIA7812API-UP
 IC107 : KIA7912API-UP
 IC206 : NJM4565D-ZB
 IC301 : STK-413-220A-E
 IC401 : *
 IC607 : NJM2279D-ZB
- Q113,406 : 2SB1640
 Q114,412 : 2SC1740S(Q,R) or 2SC2785S(F,E)
 Q301-306,317,318,701 : 2SC2878(B)
 Q307,308,316,319,405,801,802 : 2SA992(F,E)
 Q309-315,401,404,407-409,800 : 2SC1845(F,E)
 Q402 : 2SA1535A
 Q403 : 2SC3944A
 Q410,411,803 : DTC113ZSA
- D113 : RB441Q-40
 D114-116,123,124,215,303,304,308-310,313,315,323,403,404,406-408,999 : 1SS133 or HSS104A
 D117 : S1ZB20(7101)
 D118 : MTZJ16(B) or HZS16N(B2)
 D119,301,302,401,402 : MTZJ15(B) or HZS15N(B2)
 D120 : D2SBA207009F01
 D121,122 : D5SBA20-7003
 D305,306 : *
 D307,311,312,314,316 : MTZJ3.9(B) or HZS3.9N(B2)
 D319 : *
 D320 : *
 D602,603 : MTZJ5.6(B) or HZS5.6N(B2)

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KRF-V5090D/V6090D/VR-905/906



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(X09-6970-10)		MODEL NAME	DESTINATION COUNTRY	ABB.	UNIT No.	C245, 246	C300, 339-343	C702	J203	R239, 240	R247, 248	R251, 252	R990, 991
		VR-905	CANADA	P5	0-11	YES	NO	2.2u50	E63-1730-05	YES	47K	47K	220K
		VR-905-S	U.S.A.	K6	0-11	YES	NO	2.2u50	E63-1730-05	YES	47K	47K	220K
		VR-906	CANADA	P6	0-10	YES	NO	NO	E63-1730-05	YES	47K	47K	220K
		VR-906-S	U.S.A.	K7	0-10	YES	NO	NO	E63-1730-05	YES	47K	47K	220K
		KRF-V5090D	PX	Y1	2-92	NO	YES	4.7u50	E63-1372-05	NO	15K	22K	220K
		KRF-V5090D-S	EUROPE	E1	2-72	NO	YES	4.7u50	E63-1372-05	NO	15K	22K	100K
		KRF-V6090D	PX	Y2	2-92	NO	YES	4.7u50	E63-1372-05	NO	15K	22K	220K
		KRF-V6090D-S	EUROPE	E2	2-72	NO	YES	4.7u50	E63-1372-05	NO	15K	22K	100K
		KRF-V5090D	EUROPE	E3	2-91	NO	YES	NO	E63-1372-05	NO	15K	22K	220K
		KRF-V6090D-S	AUSTRALIA	X4	2-71	NO	YES	NO	E63-1372-05	NO	15K	22K	220K
		KRF-V6090D-S	EUROPE	E4	2-71	NO	YES	NO	E63-1372-05	NO	15K	22K	100K

- (X09-)

IC101 : BU1924

IC202 : M61516FP-RF0G

Q201 : 2SC1845(FE)

Q203 : 2SA992(FE)

D201, 203 : MTZJ6.8(B) or HZS6.8N(B2)

D202 : MTZJ5.1(B) or HZS5.1N(B2)

D317, 318 : 1SS133 or HSS104A
- (X25-)

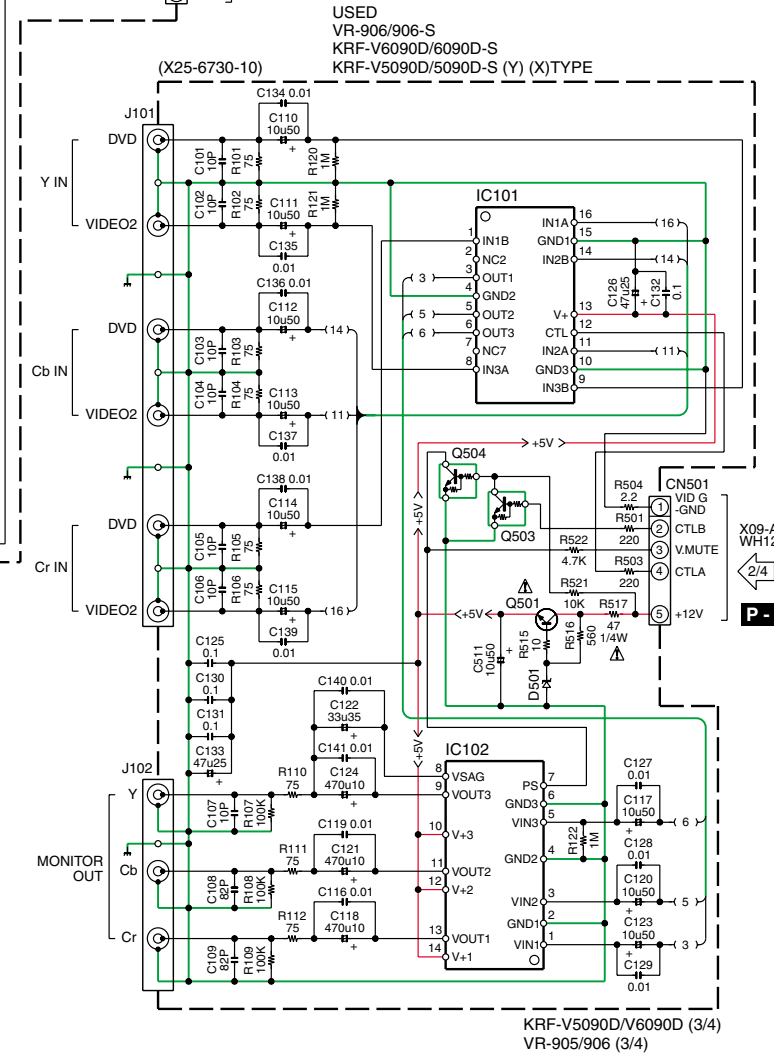
IC101 : NJM2584D-ZB

IC102 : NJM2580D-ZB

Q501 : 2SC3940A(R,S)

Q503, 504 : DTC124ESA

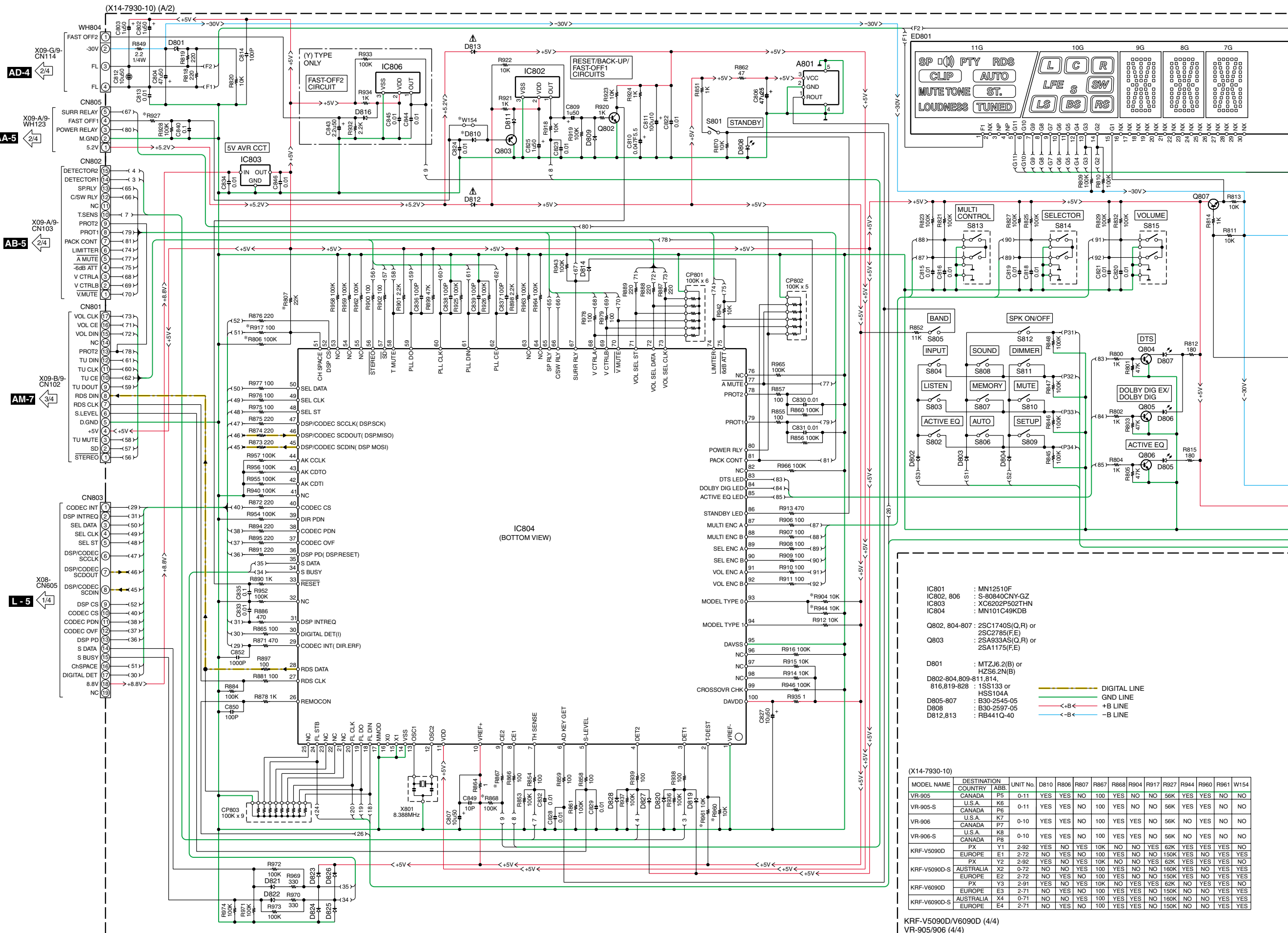
D501 : MTZJ5.6(B) or HZS5.6N(B2)



USED
VR-906/906-S
KRF-V6090D/6090D-S
KRF-V5090D/5090D-S (Y) (X) TYPE

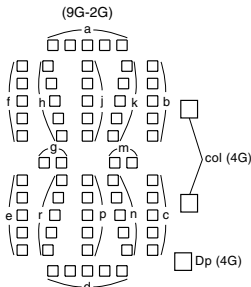
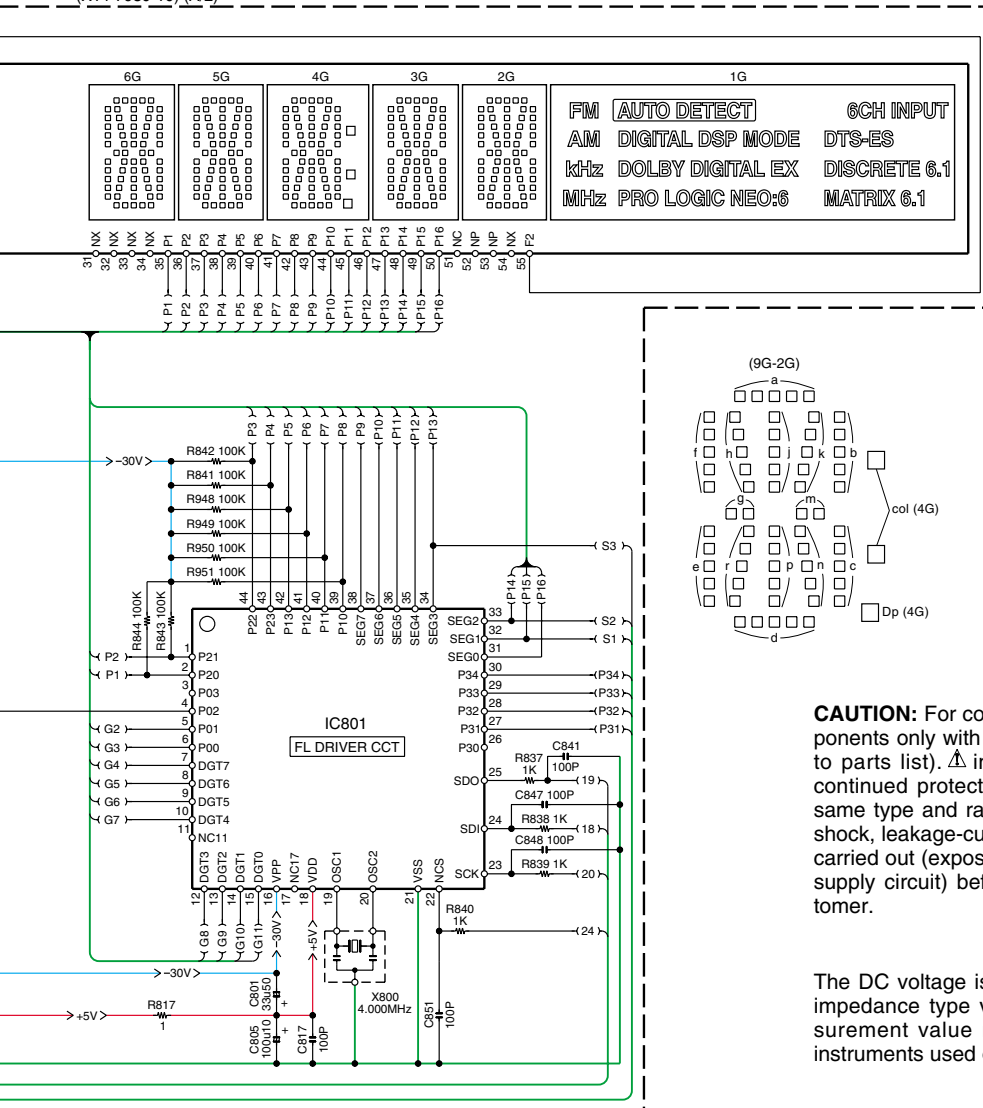
(X09-A/9- WH124)
P-5

KRF-V5090D/V6090D (3/4)
VR-905/906 (3/4)



KRF-V5090D/V6090D/VR-905/906

(X14-7930-10) (A/2)



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11-MT-143GNK

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	SP (M)	L	a	a	a	a	a	a	a	a	FM
P2	CLIP	C	j	j	j	j	j	j	j	j	AM
P3	MUTE	R	h	h	h	h	h	h	h	h	kHz
P4	TONE	LFE	k	k	k	k	k	k	k	k	MHz
P5	LOUDNESS	SW	b	b	b	b	b	b	b	b	AUTO DETECT
P6	PTY	LS	f	f	f	f	f	f	f	f	DIGITAL
P7	RDS	S	g	g	g	g	g	g	g	g	6CH INPUT
P8	AUTO	BS	m	m	m	m	m	m	m	m	DSP MODE
P9	ST	AS	c	c	c	c	c	c	c	c	DOLBY DIGITAL
P10	TUNED	(L)	e	e	e	e	e	e	e	e	EX
P11	-	(C)	r	r	r	r	r	r	r	r	PRO LOGIC
P12	-	(R)	n	n	n	n	n	n	n	n	NEO-6
P13	-	(SW)	p	p	p	p	p	p	p	p	DTS
P14	-	(LS)	d	d	d	d	d	d	d	d	-ES
P15	-	(BS)	-	-	-	-	-	-	-	-	DISCRETE 6.1
P16	-	(RS)	-	-	-	-	-	-	-	-	MATRIX 6.1

11MT129GNK

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	SP (M)	L	a	a	a	a	a	a	a	a	FM
P2	CLIP	C	j	j	j	j	j	j	j	j	AM
P3	MUTE	R	h	h	h	h	h	h	h	h	kHz
P4	TONE	SL	k	k	k	k	k	k	k	k	MHz
P5	CLIP	S	b	b	b	b	b	b	b	b	AUTO
P6	CINEMA EQ.	SR	f	f	f	f	f	f	f	f	MEMO
P7	-	LFE	g	g	g	g	g	g	g	g	ST
P8	-	SW	m	m	m	m	m	m	m	m	TUNED
P9	RDS	(L)	c	c	c	c	c	c	c	c	AUTO DETECT
P10	PTY	(C)	e	e	e	e	e	e	e	e	DTS
P11	96kHz	(R)	r	r	r	r	r	r	r	r	DOLBY DIGITAL
P12	TONE	(SL)	n	n	n	n	n	n	n	n	PRO LOGIC
P13	LOUDNESS	(S)	p	p	p	p	p	p	p	p	DIGITAL
P14	-	(SR)	d	d	d	d	d	d	d	d	6CH INPUT
P15	-	(SW)	-	-	-	-	-	-	-	-	DSP
P16	-	-	-	-	-	-	-	-	-	-	STEREO



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KRF-V5090D/V6090D, VR-905/906						
601	1A	*	A01-3944-01	METALLIC CABINET	E3	
601	1A	*	A01-3944-01	METALLIC CABINET	K7P7Y3	
601	1A	*	A01-3944-01	METALLIC CABINET	Y1E1P5	
601	1A	*	A01-3945-01	METALLIC CABINET	E4	
601	1A	*	A01-3945-01	METALLIC CABINET	K6P6Y2	
601	1A	*	A01-3945-01	METALLIC CABINET	K8P8X4	
601	1A	*	A01-3945-01	METALLIC CABINET	X2E2	
604	2B		A60-2379-01	PANEL	Y1E1	
604	2B		A60-2379-01	PANEL	Y3E3	
604	2B		A60-2380-01	PANEL	X4E4	
604	2B		A60-2380-01	PANEL	Y2X2E2	
604	2B	*	A60-2405-01	PANEL	K7P7	
604	2B	*	A60-2405-01	PANEL	P5	
604	2B	*	A60-2406-01	PANEL	K6P6	
604	2B	*	A60-2406-01	PANEL	K8P8	
605	1A	*	A70-1669-05	REMOTE CONTROLLER ASSY	KPY	
605	1A	*	A70-1670-05	REMOTE CONTROLLER ASSY	EX	
-		*	B60-5529-00	INSTRUCTION MANUAL(EN)	KPY	
-		*	B60-5530-00	INSTRUCTION MANUAL(FR)	P	
-		*	B60-5531-00	INSTRUCTION MANUAL(TC)	Y	
-		*	B60-5532-00	INSTRUCTION MANUAL(6-LN)	E	
-		*	B60-5533-00	INSTRUCTION MANUAL(EN)	X	
610	2A		B07-2685-03	ESCUTCHEON	E4	
610	2A		B07-2685-03	ESCUTCHEON	K6P6Y2	
610	2A		B07-2685-03	ESCUTCHEON	K8P8X4	
610	2A		B07-2685-03	ESCUTCHEON	X2E2	
610	2A		B07-2688-03	ESCUTCHEON	E3	
610	2A		B07-2688-03	ESCUTCHEON	K7P7Y3	
610	2A		B07-2688-03	ESCUTCHEON	Y1E1P5	
611	2A		B07-2722-01	ESCUTCHEON	E3	
611	2A		B07-2722-01	ESCUTCHEON	K7P7Y3	
611	2A		B07-2722-01	ESCUTCHEON	Y1E1P5	
611	2A		B07-2723-01	ESCUTCHEON	E4	
611	2A		B07-2723-01	ESCUTCHEON	K6P6Y2	
611	2A		B07-2723-01	ESCUTCHEON	K8P8X4	
611	2A		B07-2723-01	ESCUTCHEON	X2E2	
612	2A	*	B10-5552-02	FRONT GLASS	K7P7	
612	2A	*	B10-5553-02	FRONT GLASS	K8P8	
612	2A	*	B10-5554-02	FRONT GLASS	Y3	
612	2A	*	B10-5556-02	FRONT GLASS	X4E4	
612	2A	*	B10-5557-02	FRONT GLASS	E3	
612	2A	*	B10-5558-02	FRONT GLASS	K6P6P5	
612	2A	*	B10-5559-02	FRONT GLASS	Y1	
612	2A	*	B10-5560-02	FRONT GLASS	Y2	
612	2A	*	B10-5561-02	FRONT GLASS	X2E2	
612	2A	*	B10-5562-02	FRONT GLASS	E1	
613	2A		B11-1568-13	COLOR FILTER		
614	2A		B12-0482-04	INDICATOR	STANDBY	
615	2A		B12-0483-04	INDICATOR		
616	2A		B43-0336-04	BADGE		
△ 620	1A		E03-0508-05	AC PLUG ADAPTER	Y	
△ 621	1C		E30-2842-05	AC POWER CORD	E	

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△ 621	1C		E30-2941-05	AC POWER CORD	KP	
△ 621	1C		E30-7313-05	AC POWER CORD	Y	
△ 621	1C	*	E30-7330-05	AC POWER CORD	X	
622	1C		E35-2643-05	FLAT CABLE		
623	2B,2C		E35-2792-05	FLAT CABLE		
624	2B,1C		E35-3306-15	FLAT CABLE		
625	1B,2B		E35-3468-05	FLAT CABLE		
626	1C		E35-3632-05	FLAT CABLE		
-		*	H10-7929-01	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7930-01	POLYSTYRENE FOAMED FIXTURE		
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H25-0391-04	PROTECTION BAG		
-		*	H50-5014-04	ITEM CARTON CASE	K7P7	
-		*	H50-5015-04	ITEM CARTON CASE	K8P8	
-		*	H50-5016-04	ITEM CARTON CASE	Y3	
-		*	H50-5018-04	ITEM CARTON CASE	X4	
-		*	H50-5019-04	ITEM CARTON CASE	E3	
-		*	H50-5020-04	ITEM CARTON CASE	E4	
-		*	H50-5021-04	ITEM CARTON CASE	K6P6	
-		*	H50-5022-04	ITEM CARTON CASE	Y1	
-		*	H50-5023-04	ITEM CARTON CASE	Y2	
-		*	H50-5024-04	ITEM CARTON CASE	X2	
-		*	H50-5025-04	ITEM CARTON CASE	E1	
-		*	H50-5026-04	ITEM CARTON CASE	E2	
-		*	H50-5036-04	ITEM CARTON CASE	P5	
-			J61-0307-05	WIRE BAND		
635	2C		J02-1013-05	FOOT	KPYX	
636	2C		J02-1464-03	FOOT		
△ 642	1C		J42-0083-05	POWER CORD BUSHING		
650	2A		K27-2525-14	BUTTON KNOB	Y1E1	
650	2A		K27-2525-14	BUTTON KNOB	Y3E3	
650	2A		K27-2526-14	BUTTON KNOB	X4E4	
650	2A		K27-2526-14	BUTTON KNOB	Y2X2E2	
651	2A		K29-8350-14	BUTTON KNOB	E3	
651	2A		K29-8350-14	KNOB	K7P7Y3	
651	2A		K29-8350-14	KNOB	Y1E1P5	
651	2A		K29-8351-04	KNOB	E4	
651	2A		K29-8351-04	KNOB	K6P6Y2	
651	2A		K29-8351-04	KNOB	K8P8X4	
651	2A		K29-8351-04	KNOB	X2E2	
652	2A		K29-8351-04	KNOB	E3	
652	2A		K29-8352-14	KNOB	K7P7Y3	
652	2A		K29-8352-14	KNOB	Y1E1P5	
652	2A		K29-8352-14	KNOB	E4	
652	2A		K29-8353-04	KNOB	K6P6Y2	
652	2A		K29-8353-04	KNOB	K8P8X4	
652	2A		K29-8353-04	KNOB	X2E2	
653	2A,2B		K29-8354-01	KNOB	E3	
653	2A,2B		K29-8354-01	KNOB	K7P7Y3	
653	2A,2B		K29-8354-01	KNOB	Y1E1P5	
653	2A,2B		K29-8355-01	KNOB	E4	
653	2A,2B		K29-8355-01	KNOB	K6P6Y2	
653	2A,2B		K29-8355-01	KNOB	K8P8X4	
653	2A,2B		K29-8355-01	KNOB	X2E2	

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KRF-V5090D/V6090D/VR-905/906

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③

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△ 655	1B	*	L07-3306-05	POWER TRANSFORMER	KP	
△ 655	1B	*	L07-3307-05	POWER TRANSFORMER	Y	
△ 655	1B	*	L07-3308-05	POWER TRANSFORMER	X	
△ 655	1B	*	L07-3309-05	POWER TRANSFORMER	E	
E			N82-2608-48	BINDING HEAD TAPTITE SCREW		
J			N89-3008-48	BINDING HEAD TAPTITE SCREW		
L			N89-3018-48	BINDING HEAD TAPTITE SCREW		
660	1A		T90-0855-05	LEAD WIRE ANTENNA	YXE	
660	1A		T90-0905-05	LEAD WIRE ANTENNA	KP	
661	1A		T90-0893-05	LOOP ANTENNA	Y	
665	1C		W02-2970-15	TUNER ASSY	EX	
665	1C		W02-2971-05	TUNER ASSY		
665	1C		W02-2972-05	TUNER ASSY		
SURROUND (X08-3420-10)						
C601			CK73GB1H103K	CHIP C	0.010UF	K
C602			CK73GB1H102K	CHIP C	1000PF	K
C603			CC73GCH1H220J	CHIP C	22PF	J
C604			CC73GCH1H270J	CHIP C	27PF	J
C605,606			CK73GB1H103K	CHIP C	0.010UF	K
C607			CC73GCH1H220J	CHIP C	22PF	J
C608			CK73GB1H102K	CHIP C	1000PF	K
C609,610			CK73GB1H103K	CHIP C	0.010UF	K
C611			CK73GB1H102K	CHIP C	1000PF	K
C612			CK73GB1H103K	CHIP C	0.010UF	K
C613			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV
C614			CK73GB1H103K	CHIP C	0.010UF	K
C615			CC73GCH1H471J	CHIP C	470PF	J
C616			CD04BJ1E470M	ELECTRO	47UF	25WV
C617,618			CK73GB1H103K	CHIP C	0.010UF	K
C619			CK73FB1E104K	CHIP C	0.10UF	K
C621			CD04BJ1H2R2M	ELECTRO	2.2UF	50WV
C622,623			CK73GB1H103K	CHIP C	0.010UF	K
C624			CC73GCH1H101J	CHIP C	100PF	J
C625			CD04BJ1C470M	ELECTRO	47UF	16WV
C626			CK73GB1H102K	CHIP C	1000PF	K
C627			CD04BJ1C101M	ELECTRO	100UF	16WV
C631			CK73FB1E104K	CHIP C	0.10UF	K
C632,633			CC73GCH1H221J	CHIP C	220PF	J
C634,635			CC73GCH1H220J	CHIP C	22PF	J
C636,637			CK73GB1H472K	CHIP C	4700PF	K
C654			CD04BJ1H100M	ELECTRO	10UF	50WV
C656			CD04BJ1E470M	ELECTRO	47UF	25WV
C657			CD04BJ1A101M	ELECTRO	100UF	10WV
C659			CD04BJ1A101M	ELECTRO	100UF	10WV
C660			CC73GCH1H820J	CHIP C	82PF	J
C661			CK73GB1H103K	CHIP C	0.010UF	K
C662			CD04BJ1A101M	ELECTRO	100UF	10WV
C663			CK73GB1H103K	CHIP C	0.010UF	K
C665			CC73GCH1H330J	CHIP C	33PF	J
C666		*	CK73FB1E104K	CHIP C	0.10UF	K
C667			CD04BJ1C472M	ELECTRO	4700UF	16WV
C668,669			CK73FB1E104K	CHIP C	0.10UF	K
C670			CD04BJ1H100M	ELECTRO	10UF	50WV
C671,672			CC73GCH1H220J	CHIP C	22PF	J

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④

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C673			CD04BJ1H220M	ELECTRO	22UF	50WV
C675,676			CC73GCH1H220J	CHIP C	22PF	J
C681,682			CC73GCH1H220J	CHIP C	22PF	J
C683			CK73FB1E104K	CHIP C	0.10UF	K
C686,687			CD04BJ1H220M	ELECTRO	22UF	50WV
C688			CK73FB1E104K	CHIP C	0.10UF	K
C700			CC73GCH1H470J	CHIP C	47PF	J
C701,702			CD04BJ1H100M	ELECTRO	10UF	50WV
C703,704			CK73GB1H222K	CHIP C	2200PF	K
C705,706			CK73GB1H182K	CHIP C	1800PF	K
C707,708			CC73GCH1H101J	CHIP C	100PF	J
C709			CK73GB1H472K	CHIP C	4700PF	K
C710			CC73GCH1H101J	CHIP C	100PF	J
C711,712			CD04BJ1H100M	ELECTRO	10UF	50WV
C713,714			CK73GB1H821K	CHIP C	820PF	K
C715,716			CK73GB1H222K	CHIP C	2200PF	K
C717,718			CC73GCH1H101J	CHIP C	100PF	J
C719			CC73GCH1H470J	CHIP C	47PF	J
C720			CC73GCH1H330J	CHIP C	33PF	J
C721,722			CD04BJ1H100M	ELECTRO	10UF	50WV
C723			CK73GB1H222K	CHIP C	2200PF	K
C724			CK73GB1H822K	CHIP C	8200PF	K
C725			CK73GB1H182K	CHIP C	1800PF	K
C726			CK73GB1H822K	CHIP C	8200PF	K
C727,728			CC73GCH1H101J	CHIP C	100PF	J
C729,730			CD04BJ1H4R7M	ELECTRO	4.7UF	50WV
C731,732			CC73GCH1H100D	CHIP C	10PF	D
C733,734			CD04BJ1H220M	ELECTRO	22UF	50WV
C735,736			CC73GCH1H101J	CHIP C	100PF	J
C737,738			CC73GCH1H220J	CHIP C	22PF	J
C739,740			CD04BJ1H100M	ELECTRO	10UF	50WV
C741			CK73GB1H102K	CHIP C	1000PF	K
C742			CC73GCH1H101J	CHIP C	100PF	J
C744			CC73GCH1H101J	CHIP C	100PF	J
C761,762			CD04BJ1H100M	ELECTRO	10UF	50WV
C763,764			CK73GB1H182K	CHIP C	1800PF	K
C765,766			CK73GB1H222K	CHIP C	2200PF	K
C767,768			CC73GCH1H101J	CHIP C	100PF	J
C771,772			CK73GB1H821K	CHIP C	820PF	K
C773,774			CD04BJ1H100M	ELECTRO	10UF	50WV
C775,776			CK73GB1H102K	CHIP C	1000PF	K
C777,778			CC73GCH1H221J	CHIP C	220PF	J
C781,782			CD04BJ1H4R7M	ELECTRO	4.7UF	50WV
C791,792			CC73GCH1H471J	CHIP C	470PF	J
C901-906			CC73GCH1H470J	CHIP C	47PF	J
C901-906			CC73GCH1H101J	CHIP C	100PF	J
C907,908			CC73GCH1H101J	CHIP C	100PF	J
C909,910			CK73GB1H103K	CHIP C	0.010UF	K
C909,910			CK73GB1H103K	CHIP C	0.010UF	K
C912,913			CD04BJ1E470M	ELECTRO	47UF	25WV
C912,913			CD04BJ1E470M	ELECTRO	47UF	25WV
C915		*	CD04BJ1C471M	ELECTRO	470UF	16WV
C915		*	CD04BJ1C471M	ELECTRO	470UF	16WV
C916			CK73FB1E104K	CHIP C	0.10UF	K

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KRF-V5090D/V6090D/VR-905/906
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C916 C917,918 C917,918 C919,920 C919,920			CK73FB1E104K CC73GCH1H101J CC73GCH1H101J CK73GB1H103K CK73GB1H103K	CHIP C 0.10UF K CHIP C 100PF J CHIP C 100PF J CHIP C 0.010UF K CHIP C 0.010UF K	Y3X4E3 E4 Y3X4E3 E4 Y3X4E3	
C951,952			CC73GCH1H820J	CHIP C 82PF J		
CN601 CN605 J601 J604 J901		*	E41-1234-05 E41-1433-05 E63-1369-05 E63-1297-05 E56-0058-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN JACK PIN JACK CYLINDRICAL RECEPTACLE		
J901		*	E56-0058-05	CYLINDRICAL RECEPTACLE	E4	
X601			L77-2296-05	CRYSTAL RESONATOR(12.288MHZ)	Y3X4E3	
CP601,602 CP603-605 R601,602 R603,604 R605		*	RK74GB1J103J RK74GB1J181J RK73GB2A221J RK73GB2A105J RK73GB2A103J	CHIP-COM 10K J 1/16W CHIP-COM 180 J 1/16W CHIP R 220 J 1/10W CHIP R 1.0M J 1/10W CHIP R 10K J 1/10W		
R608 R609 R610 R611,612 R613,614			RK73GB2A221J RK73GB2A104J RK73GB2A221J RK73GB2A332J RK73GB2A221J	CHIP R 220 J 1/10W CHIP R 100K J 1/10W CHIP R 220 J 1/10W CHIP R 3.3K J 1/10W CHIP R 220 J 1/10W		
R615 R623 R624 R625,626 R627,628			RK73GB2A101J RK73GB2A103J RK73GB2A221J RK73GB2A332J RK73GB2A221J	CHIP R 100 J 1/10W CHIP R 10K J 1/10W CHIP R 220 J 1/10W CHIP R 3.3K J 1/10W CHIP R 220 J 1/10W	Y	
R629 R630 R631 R632,633 R634			RK73GB2A103J RK73GB2A333J RK73GB2A101J RK73GB2A472J RK73GB2A471J	CHIP R 10K J 1/10W CHIP R 33K J 1/10W CHIP R 100 J 1/10W CHIP R 4.7K J 1/10W CHIP R 470 J 1/10W		
R635 R637,638 R639 R640 Δ R641			RK73GB2A750J RK73GB2A220J RK73GB2A183J RK73EB2E4R7J RD14NB2E4R7J	CHIP R 75 J 1/10W CHIP R 22 J 1/10W CHIP R 18K J 1/10W CHIP R 4.7 J 1/4W RD 4.7 J 1/4W		
Δ R642 Δ R644 R645,646 R647 R648			RK73GB2A220J RK73GB2A750J RK73GB2A102J RK73GB2A103J RK73GB2A102J	CHIP R 22 J 1/10W CHIP R 75 J 1/10W CHIP R 1.0K J 1/10W CHIP R 10K J 1/10W CHIP R 1.0K J 1/10W		
R651-656 R657,658 R663 Δ R664 R665			RK73GB2A220J RK73GB2A221J RK73GB2A221J RK73EB2E561J RK73GB2A223J	CHIP R 22 J 1/10W CHIP R 220 J 1/10W CHIP R 220 J 1/10W CHIP R 560 J 1/4W CHIP R 22K J 1/10W		
Δ R666 Δ R667 Δ R670 Δ R671 Δ R672			RS14KB3D180J RK73GB2A221J RK73EB2E4R7J RD14NB2E1R0J RK73GB2A221J	FL-PROOF RS 18 J 2W CHIP R 220 J 1/10W CHIP R 4.7 J 1/4W RD 1 J 1/4W CHIP R 220 J 1/10W		

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R673 R674 R675 R676 R677			RK73GB2A473J RK73GB2A472J RK73GB2A221J RK73GB2A102J RK73GB2A152J	CHIP R 47K J 1/10W CHIP R 4.7K J 1/10W CHIP R 220 J 1/10W CHIP R 1.0K J 1/10W CHIP R 1.5K J 1/10W		
R678,679 R680 Δ R683,684 R685 R689			RK73GB2A220J RK73GB2A471J RK73GB2A471J RK73EB2E1R0J RK73GB2A220J	CHIP R 22 J 1/10W CHIP R 470 J 1/10W CHIP R 470 J 1/10W CHIP R 1 J 1/4W CHIP R 22 J 1/10W		
Δ R690 Δ R691 R692 R693,694 R701,702			RK73GB2A471J RK73EB2E4R7J RK73GB2A220J RK73GB2A101J RK73GB2A222J	CHIP R 470 J 1/10W CHIP R 4.7 J 1/4W CHIP R 22 J 1/10W CHIP R 100 J 1/10W CHIP R 2.2K J 1/10W		
R703,704 R705,706 R707,708 R709,710 R711,712			RK73GB2A104J RK73GB2A222J RK73GB2A103J RK73GB2A472J RK73GB2A332J	CHIP R 100K J 1/10W CHIP R 2.2K J 1/10W CHIP R 10K J 1/10W CHIP R 4.7K J 1/10W CHIP R 3.3K J 1/10W		
R713,714 R715,716 R717,718 R719,720 R721			RK73GB2A104J RK73GB2A222J RK73GB2A272J RK73GB2A562J RK73GB2A222J	CHIP R 100K J 1/10W CHIP R 2.2K J 1/10W CHIP R 2.7K J 1/10W CHIP R 5.6K J 1/10W CHIP R 2.2K J 1/10W		
R722 R723,724 R725 R726 R727,728			RK73GB2A153J RK73GB2A104J RK73GB2A222J RK73GB2A183J RK73GB2A103J	CHIP R 15K J 1/10W CHIP R 100K J 1/10W CHIP R 2.2K J 1/10W CHIP R 18K J 1/10W CHIP R 10K J 1/10W		
R729 R730 R731,732 R733,734 R735-740			RK73GB2A472J RK73GB2A562J RK73GB2A104J RK73GB2A332J RK73GB2A103J	CHIP R 4.7K J 1/10W CHIP R 5.6K J 1/10W CHIP R 100K J 1/10W CHIP R 3.3K J 1/10W CHIP R 10K J 1/10W		
R741-744 R745 R746-748 R749,750 R751			RK73GB2A221J RK73GB2A102J RK73GB2A101J RK73GB2A272J RK73GB2A472J	CHIP R 220 J 1/10W CHIP R 1.0K J 1/10W CHIP R 100 J 1/10W CHIP R 2.7K J 1/10W CHIP R 4.7K J 1/10W		
R752 R753 R754 R756-758 R759-762			RK73GB2A562J RK73GB2A472J RK73GB2A562J RK73GB2A181J RK73GB2A103J	CHIP R 5.6K J 1/10W CHIP R 4.7K J 1/10W CHIP R 5.6K J 1/10W CHIP R 180 J 1/10W CHIP R 10K J 1/10W		
R763,764 R765,766 R767,768 R769,770 R771,772			RK73GB2A104J RK73GB2A222J RK73GB2A103J RK73GB2A222J RK73GB2A221J	CHIP R 100K J 1/10W CHIP R 2.2K J 1/10W CHIP R 10K J 1/10W CHIP R 2.2K J 1/10W CHIP R 220 J 1/10W		
R773,774 R775,776 R777-780 R781,782 R791,792			RK73GB2A104J RK73GB2A102J RK73GB2A222J RK73GB2A101J RK73GB2A183J	CHIP R 100K J 1/10W CHIP R 1.0K J 1/10W CHIP R 2.2K J 1/10W CHIP R 100 J 1/10W CHIP R 18K J 1/10W		

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R793-804 R805-808 R809-811 R812-814 R901-904			RK73GB2A220J RK73EB2E1R0J RK73FB2B1R0J RK73EB2E1R0J RK73GB2A750J	CHIP R 22 J 1/10W CHIP R 1 J 1/4W CHIP R 1 J 1/8W CHIP R 1 J 1/4W CHIP R 75 J 1/10W	E4	
R901-904 R905,906 R905,906 R907,908 R907,908			RK73GB2A750J RK73GB2A104J RK73GB2A104J RK73GB2A750J RK73GB2A750J	CHIP R 75 J 1/10W CHIP R 100K J 1/10W CHIP R 100K J 1/10W CHIP R 75 J 1/10W CHIP R 75 J 1/10W	Y3X4E3 E4 Y3X4E3 E4 Y3X4E3	
R911 R911 R912 R912 R915,916			RK73GB2A472J RK73GB2A472J RK73GB2A221J RK73GB2A221J RD14NB2E100J	CHIP R 4.7K J 1/10W CHIP R 4.7K J 1/10W CHIP R 220 J 1/10W CHIP R 220 J 1/10W RD 10 J 1/4W	E4 Y3X4E3 E4 Y3X4E3 E4	
R915,916 R917 R917 R921 R921			RD14NB2E100J RK73GB2A103J RK73GB2A103J RK73GB2A2R2J RK73GB2A2R2J	RD 10 J 1/4W CHIP R 10K J 1/10W CHIP R 10K J 1/10W CHIP R 2.2 J 1/10W CHIP R 2.2 J 1/10W	Y3X4E3 E4 Y3X4E3 E4 Y3X4E3	
R922		*	RK73EB2E000J	CHIP R 0 J 1/4W		
S601			S62-0034-05	SLIDE SWITCH	Y	
D601 D602 D602 D603 D603			1SS355 DAN202U 1SS301 DAP202U 1SS300	DIODE DIODE DIODE DIODE DIODE		
D604 D604 D605 D605 D606,607			HZU3.9(B2) UDZS3.9B DAN202U 1SS301 HZU5.6(B2)	ZENER DIODE ZENER DIODE DIODE DIODE ZENER DIODE		
D606,607 D608 D609 D610 D610		*	UDZS5.6B 1SS355 D2SBA207009F01 HZU5.1(B2) UDZS5.1B	ZENER DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D611 D611 D612 D612 D613,614			HZU6.2(B2) UDZS6.2B HZU5.1(B2) UDZS5.1B 1SS355	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE		
Δ D900-902 Δ D900-902 IC601 IC602 IC603		*	1SR154-400 1SR154-400 CS493263-CLZ AK4586VQP TC7WU04FU-F	DIODE DIODE MOS-IC MOS-IC MOS-IC	E4 Y3X4E3	
IC604 IC605 IC606 IC607 IC609		*	TC7WH123FU-F TC74HCT7007AF TC74HC07AF AK4384 XC62EP2502MRN	MOS-IC MOS-IC MOS-IC MOS-IC ANALOGUE IC		
Δ IC611		*	BA033LBSG2	ANALOGUE IC		

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Δ IC612 IC701-704 IC705 IC707,708 IC901,902		*	BA05T NJM4565MD-ZB NJU7311AM-ZB NJM4565MD-ZB MM1228XFBE-E	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC	E4	
IC901,902 Q601 Q606 Q607,608 Q609		*	MM1228XFBE-E DTC124EUA 2SB1375 2SC4081(R,S) 2SA1576A(R,S)	ANALOGUE IC DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	Y3X4E3	
Q701,702 Q901,902 Q901,902			2SC4213(B) DTC124EUA DTC124EUA	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	E4 Y3X4E3	
A601			W02-2802-05	OPTIC RECEIVING MODULE		
AUDIO (X09-6970-10)						
C1 ,2 C101 C102 C103,104 C105		*	CD04BJ2A100M CC45FSL1H331J CC45FCH1H101J CC45FCH1H270J CD04BJ1H2R2M	ELECTRO 10UF 100WV CERAMIC 330PF J CERAMIC 100PF J CERAMIC 27PF J ELECTRO 2.2UF 50WV	EX EX EX EX	
C106 C107 C108 C109 C110			CK45FF1H103Z CD04BJ1E470M CK45FB1H561K CK45FF1H103Z CK45FF1H103Z	CERAMIC 0.010UF Z ELECTRO 47UF 25WV CERAMIC 560PF K CERAMIC 0.010UF Z CERAMIC 0.010UF Z	EX EX EX EX	
C125 C126 C127 C128 C129		*	CD04BJ1H100M CK45FF1H103Z CC45FCH1H270J CD04BJ1H100M CD04BJ1E332M	ELECTRO 10UF 50WV CERAMIC 0.010UF Z CERAMIC 27PF J ELECTRO 10UF 50WV ELECTRO 3300UF 25WV		
Δ C130 Δ C130 Δ C130 Δ C131 Δ C132			C91-1488-05 C91-1635-05 C91-1648-05 CK45FF1H103Z C91-1635-05	MF 6800PF 250VAC FILM 0.068UF 275WV MF 0.068UF 275WV CERAMIC 0.010UF Z FILM 0.068UF 275WV	EXY KP KP	
Δ C132 C133 C134 C135 C137		*	C91-1648-05 CD04BJ1H100M CD04BJ1J330M CC45FCH1H100D CK45FF1H103Z	MF 0.068UF 275WV ELECTRO 10UF 50WV ELECTRO 33UF 63WV CERAMIC 10PF D CERAMIC 0.010UF Z		
Δ C138,139 C140 C141 C141 C141		*	CD04BJ1E101M CD04BJ1E222M CD04BJ1E102M CD04BJ1E102M CD04BJ1E471M	ELECTRO 100UF 25WV ELECTRO 2200UF 25WV ELECTRO 1000UF 25WV ELECTRO 1000UF 25WV ELECTRO 470UF 25WV	K6P6P5 6 E1E2	
C141 Δ C142,143 Δ C142,143 C144,145 C144,145		*	CD04BJ1E471M C90-5775-05 C90-5838-05 C90-5777-05 C90-5837-05	ELECTRO 470UF 25WV ELECTRO 4700UF 75WV ELECTRO 4700UF 75WV ELECTRO 3300UF 50WV ELECTRO 3300UF 50WV	Y1Y2X2 E KPY E KPY	
C146,147 C148-151 C152,153 C154,155			C91-1422-05 C91-1573-05 C91-1422-05 CQ93FMG1H104J	MP 0.10UF 250WV MP-C 0.10UF J MP 0.10UF 250WV MYLAR 0.10UF J		

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C156 C157 C201,202 C221,222 C225,226			CC45FCH1H330J CC45FCH1H270J CC45FCH1H221J CC45FCH1H221J CC45FCH1H221J	CERAMIC 33PF J CERAMIC 27PF J CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J		
C229,230 C233,234 C237,238 C241,242 C245,246			CC45FCH1H221J CC45FCH1H221J CC45FCH1H221J CC45FCH1H221J CC45FCH1H221J	CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J	KP	
C251,252 C255,256 C259,260 C265,266 C268-271			CC45FCH1H221J CC45FCH1H221J CC45FCH1H221J CD04BJ1H4R7M CC45FCH1H101J	CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J ELECTRO 4.7UF 50WV CERAMIC 100PF J	EXY EXY EXY EXY	
C272 C273 C274 C275 C276			CD04BJ1H2R2M CK45FB1H471K CC45FSL1H331J CD04BJ1E470M CD04BJ1A101M	ELECTRO 2.2UF 50WV CERAMIC 470PF K CERAMIC 330PF J ELECTRO 47UF 25WV ELECTRO 100UF 10WV		
C278 C279 C280 C281 C283-288			CD04BJ1A101M CD04BJ1E470M CD04BJ1A101M CC45FCH1H101J CC45FCH1H101J	ELECTRO 100UF 10WV ELECTRO 47UF 25WV ELECTRO 100UF 10WV CERAMIC 100PF J CERAMIC 100PF J		
C290-299 C300 C301,302 C303,304 C305,306			CC45FCH1H101J CC45FCH1H101J CD04BJ1H2R2M CK45FB1H471K CC45FSL1H331J	CERAMIC 100PF J CERAMIC 100PF J ELECTRO 2.2UF 50WV CERAMIC 470PF K CERAMIC 330PF J	EXY	
C307 C308 C309,310 C311 C312			CD04BJ1H101M CQ93FMG1H473J CD04BJ1A101M CD04BJ1H4R7M CQ93FMG1H473J	ELECTRO 100UF 50WV MYLAR 0.047UF J ELECTRO 100UF 10WV ELECTRO 4.7UF 50WV MYLAR 0.047UF J		
C313 C316,317 C318 C319,320 C321,322		*	CC45FCH1H101J CC45FCH1H100D CD04BJ1H101M CD04BJ2A101M CK45FF1H472Z	CERAMIC 100PF J CERAMIC 10PF D ELECTRO 100UF 50WV ELECTRO 100UF 100WV CERAMIC 4700PF Z		
C323-328 C329 C330 C332 C333			C91-1573-05 CK45FF1H472Z CC45FCH1H100D CD04BJ1A101M CD04BJ1H4R7M	MP-C 0.10UF J CERAMIC 4700PF Z CERAMIC 10PF D ELECTRO 100UF 10WV ELECTRO 4.7UF 50WV		
C334 C335 C336 C337 C338		*	CD04BJ1H010M CD04BJ1H100M CD04BJ1A221M CD04AU1E100M CD04BJ1E470M	ELECTRO 1.0UF 50WV ELECTRO 10UF 50WV ELECTRO 220UF 10WV NP ELEC 10UF 25WV ELECTRO 47UF 25WV		
C339-343 C344-349 C350 C351 C352,353			CC45FCH1H101J CC45FCH1H101J CQ93FMG1H122J CQ93FMG1H472J CD04BJ1H2R2M	CERAMIC 100PF J CERAMIC 100PF J MYLAR 1200PF J MYLAR 4700PF J ELECTRO 2.2UF 50WV	EXY	

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C354 C355,356 C357 C358 C359-364			CK45FB1H471K CK45FB1H102K CD04BJ1H2R2M CQ93FMG1H104J CD04BJ1H4R7M	CERAMIC 470PF K CERAMIC 1000PF K ELECTRO 2.2UF 50WV MYLAR 0.10UF J ELECTRO 4.7UF 50WV		
C365 C366,367 C368-370 C371 C372			CD04BJ1H2R2M CD04BJ1H100M CD04BJ1H2R2M CQ93FMG1H104J CQ93FMG1H472J	ELECTRO 2.2UF 50WV ELECTRO 10UF 50WV ELECTRO 2.2UF 50WV MYLAR 0.10UF J MYLAR 4700PF J		
C373,374 C375 C376,377 C378 C379			CQ93FMG1H104J CK45FF1H103Z CD04BJ1A101M CD04BJ1H010M CK45FB1H471K	MYLAR 0.10UF J CERAMIC 0.010UF Z ELECTRO 100UF 10WV ELECTRO 1.0UF 50WV CERAMIC 470PF K		
C380 C384-386 C391,392 C401 C403,404		*	CD04BJ1H4R7M CK45FB1H471K CC45FCH1H101J CD04BJ1A101M CD04BJ2A100M	ELECTRO 4.7UF 50WV CERAMIC 470PF K CERAMIC 100PF J ELECTRO 100UF 10WV ELECTRO 10UF 100WV		
C405 C406,407 C408,409 C410,411 C412,413			CC45FCH1H470J CD04BJ1H2R2M CK45FB1H471K CC45FSL1H331J CD04BJ1A101M	CERAMIC 47PF J ELECTRO 2.2UF 50WV CERAMIC 470PF K CERAMIC 330PF J ELECTRO 100UF 10WV		
C416,417 C424,425 C426-429 C430 C431			CC45FCH1H100D CK45FF1H472Z C91-1573-05 CK45FF1H472Z CC45FCH1H100D	CERAMIC 10PF D CERAMIC 4700PF Z MP-C 0.10UF J CERAMIC 4700PF Z CERAMIC 10PF D		6 6
C433 C434 C435 C436 C437,438			CD04BJ1A101M CC45FSL1H331J CK45FB1H471K CD04BJ1H2R2M C91-1573-05	ELECTRO 100UF 10WV CERAMIC 330PF J CERAMIC 470PF K ELECTRO 2.2UF 50WV MP-C 0.10UF J		6 6 6 6 6
C439-443 C444 C445 C446 C638-642			CK45FB1H222K CC45FCH1H221J CC45FCH1H560J CK45FB1H222K CC45FCH1H470J	CERAMIC 2200PF K CERAMIC 220PF J CERAMIC 56PF J CERAMIC 2200PF K CERAMIC 47PF J		6
C643-645 C648 C652 C701 C702			CD04BJ1E470M CD04AT1C100M CD04AT1C100M CC45FCH1H101J CD04BJ1H2R2M	ELECTRO 47UF 25WV ELECTRO 10UF 16WV ELECTRO 10UF 16WV CERAMIC 100PF J ELECTRO 2.2UF 50WV		K6P6P5
C702 C703 C826,827			CD04BJ1H4R7M CC45FCH1H101J CK45FB1H471K	ELECTRO 4.7UF 50WV CERAMIC 100PF J CERAMIC 470PF K		Y1Y2X2
CN101 CN102 CN103 CN201 J201		*	E41-1429-05 E41-1460-05 E41-1429-05 E41-1234-05 E63-1372-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN JACK		
J202		*	E63-1370-05	PIN JACK		

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J203		*	E63-1370-05	PIN JACK	KP	
J203		*	E63-1372-05	PIN JACK	EXY	
J204		*	E63-1373-05	PIN JACK	EXY	
J205		*	E03-0396-05	AC OUTLET	KPY	
J205		*	E03-0398-05	AC OUTLET	E	
J206			E03-0325-05	AC OUTLET	X	
J401			E70-0156-05	LOCK TERMINAL BOARD		
J402		*	E70-0156-05	LOCK TERMINAL BOARD	5	
J403		*	E70-1004-05	LOCK TERMINAL BOARD	6	
J404		*	E70-0154-05	LOCK TERMINAL BOARD		
J603		*	E63-1368-05	PIN JACK		
J604		*	E63-1371-05	PIN JACK		
J801		*	E11-0271-05	PHONE JACK (METAL SLEEVE)		
F101			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	EXY	
F101			F50-0077-05	FUSE(5X20) (8A)	KP	
F102			F06-1022-05	FUSE (SEMKO) (250V T1AL)	EXY	
F103			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	Y	
L301-303			L39-1373-05	PHASE COMPENSATION COIL		
L401,402			L39-1373-05	PHASE COMPENSATION COIL		
L403			L39-1373-05	PHASE COMPENSATION COIL	6	
T101			L07-2758-05	POWER TRANSFORMER	KPEX	
T101			L07-2761-05	POWER TRANSFORMER	KPEX	
T101			L07-2805-05	POWER TRANSFORMER	Y	
X101			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)	EX	
R123			RD14NB2E1R0J	RD 1 J 1/4W		
R124			RS14KB3A221J	FL-PROOF RS 220 J 1W	KPY	
R125			RD14NB2E270J	RD 27 J 1/4W		
R126			RD14NB2E101J	RD 100 J 1/4W		
R127			RD14NB2E822J	RD 8.2K J 1/4W		
R132		*	R92-4677-05	CARBON R 3.3M K 1/2W	KP	
R141,142			RD14NB2E1R0J	RD 1 J 1/4W		
R262			RD14BB2C132J	RD 1.3K J 1/6W		
R316,317			RS14KB3A472J	FL-PROOF RS 4.7K J 1W		
R334,335			RD14NB2E4R7J	RD 4.7 J 1/4W		
R338-341			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R342,343			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R345			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R347			RD14NB2E4R7J	RD 4.7 J 1/4W		
R348,349			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R365			RD14NB2E561J	RD 560 J 1/4W		
R410			RD14NB2E103J	RD 10K J 1/4W		
R411			RD14NB2E101J	RD 100 J 1/4W		
R414			RD14NB2E101J	RD 100 J 1/4W		
R415			RD14NB2E103J	RD 10K J 1/4W		
R436			RD14NB2E4R7J	RD 4.7 J 1/4W		
R438,439			RS14KB3D391J	FL-PROOF RS 390 J 2W		
R452,453			RS14KB3A472J	FL-PROOF RS 4.7K J 1W		
R460-463			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R466,467			RD14NB2E4R7J	RD 4.7 J 1/4W		
R468,469			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R473,474			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W	6	
R475			RD14NB2E4R7J	RD 4.7 J 1/4W	6	
R476			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W	6	
R478-480			RS14KB3A221J	FL-PROOF RS 220 J 1W		

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R995,996			RS14KB3D332J	FL-PROOF RS 3.3K J 2W		
K101			S76-0099-05	MAGNETIC RELAY	KP	
K101			S76-0102-05	MAGNETIC RELAY	EXY	
K401-403			S76-0097-05	MAGNETIC RELAY		
S101			S62.1.5	SLIDE SWITCH	Y	
S102			S68-0107-05	PUSH SWITCH	EXY	
D113			RB441Q-40	DIODE		
D114-116			HSS104A	DIODE		
D114-116			1SS133	DIODE		
D117		*	S1ZB20(7101)	DIODE		
D118		*	HZS16N(B2)	ZENER DIODE		
D118			MTZJ16(B)	ZENER DIODE		
D119			HZS15N(B2)	ZENER DIODE		
D119			MTZJ15(B)	ZENER DIODE		
D120		*	D2SBA207009F01	DIODE		
D121,122		*	D5SBA20-7003	DIODE		
D123,124			HSS104A	DIODE	Y	
D123,124			1SS133	DIODE	Y	
D201			HZS6.8N(B2)	ZENER DIODE		
D201			MTZJ6.8(B)	ZENER DIODE		
D202			HZS5.1N(B2)	ZENER DIODE		
D202			MTZJ5.1(B)	ZENER DIODE		
D203			HZS6.8N(B2)	ZENER DIODE		
D203			MTZJ6.8(B)	ZENER DIODE		
D215			HSS104A	DIODE	KPY	
D215			1SS133	DIODE	KPY	
D301,302			HZS15N(B2)	ZENER DIODE		
D301,302			MTZJ15(B)	ZENER DIODE		
D303,304			HSS104A	DIODE		
D303,304			1SS133	DIODE		
D305,306			HZS10N(B2)	ZENER DIODE	EXY	
D305,306			HZS11N(B2)	ZENER DIODE		
D305,306			MTZJ10(B)	ZENER DIODE	KP	
D305,306			MTZJ11(B)	ZENER DIODE	EXY	
D307			HZS3.9N(B2)	ZENER DIODE	KP	
D307			MTZJ3.9(B)	ZENER DIODE	XY	
D308-310			HSS104A	DIODE		
D308-310			1SS133	DIODE		
D311,312			HZS3.9N(B2)	ZENER DIODE		
D311,312			MTZJ3.9(B)	ZENER DIODE		
D313			HSS104A	DIODE		
D313			1SS133	DIODE		
D314			HZS3.9N(B2)	ZENER DIODE		
D314			MTZJ3.9(B)	ZENER DIODE		
D315			HSS104A	DIODE		
D315			1SS133	DIODE		
D316			HZS3.9N(B2)	ZENER DIODE		
D316			MTZJ3.9(B)	ZENER DIODE		
D317,318			HSS104A	DIODE		
D317,318			1SS133	DIODE		
D319			HZS11N(B2)	ZENER DIODE	E	
D319			MTZJ11(B)	ZENER DIODE		
D319,320			HZS15N(B2)	ZENER DIODE	E	
D319,320			HZS16N(B2)	ZENER DIODE	KP	
					XY	

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KRF-V5090D/V6090D/VR-905/906
PARTS LIST

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D319,320 D319,320 D320 D320 D323			MTZJ15(B) MTZJ16(B) HZS13N(B2) MTZJ13(B) HSS104A	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE	KP XY E E	
D323 D401,402 D401,402 D403,404 D403,404			1SS133 HZS15N(B2) MTZJ15(B) HSS104A 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D406-408 D406-408 D602,603 D602,603 D999			HSS104A 1SS133 HZS5.6N(B2) MTZJ5.6(B) HSS104A	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
D999 Δ IC101 Δ IC105 Δ IC106 Δ IC107		*	1SS133 BU1924 BA05T KIA7812API-UP KIA7912API-UP	DIODE ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC	EX	
IC202 IC206 Δ IC301 Δ IC401 IC607		*	M61516FP-RF0G NJM4565D-ZB STK413-220A-E STK412-220A-E NJM2279D-ZB	ANALOGUE IC ANALOGUE IC HYBRID IC HYBRID IC ANALOGUE IC		
Δ Q113 Q114 Q114 Δ Q201 Δ Q203			2SB1640 2SC1740S(Q,R) 2SC2785(F,E) 2SC1845(F,E) 2SA992(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q301-306 Q307,308 Q309-315 Q316 Q317,318			2SC2878(B) 2SA992(F,E) 2SC1845(F,E) 2SA992(F,E) 2SC2878(B)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q319 Q401 Q402 Q403 Q404			2SA992(F,E) 2SC1845(F,E) 2SA1535A 2SC3944A 2SC1845(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q405 Q406 Q407,408 Q409 Q410,411			2SA992(F,E) 2SB1640 2SC1845(F,E) 2SC1845(F,E) DTC113ZSA	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR	6	
Q412 Q412 Q701 Q701 Q800			2SC1740S(Q,R) 2SC2785(F,E) 2SC2878(B) 2SC2878(B) 2SC1845(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	K6P6P5 6 6	
Q801,802 Q803 Q803			2SA992(F,E) DTC113ZSA DTC113ZSA	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR	6 K6P6P5 6	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
DISPLAY (X14-7930-10)						
D805-807 D808			B30-2545-05 B30-2597-05	LED(RED3(160)) LED(RED HI-BRIGHT)		
C801 C802,803 C804 C805 C806		*	CD04AT1H330M CD04AT1H010M CD04BJ1H470M CD04AT1A101M CD04AT1E470M	ELECTRO 33UF 50WV ELECTRO 1UF 50WV ELECTRO 47UF 50WV ELECTRO 100UF 10WV ELECTRO 47UF 25WV		
C807 C809 C810 C811 C812		*	CD04AT1H100M CD04AT1H010M C90-5839-05 CD04AT1A101M CD04AU1H100M	ELECTRO 10UF 50WV ELECTRO 1UF 50WV ELECTRIC DOUB LE LAYER CAP. ELECTRO 100UF 10WV NP ELEC 10UF 50WV		
C813 C814 C815,816 C817 C818,819			CK45FF1H103Z CC45FCH1H101J CK45FF1H103Z CC45FCH1H101J CK45FF1H103Z	CERAMIC 0.010UF Z CERAMIC 100PF J CERAMIC 0.010UF Z CERAMIC 100PF J CERAMIC 0.010UF Z		
C820,821 C822-824 C825 C827 C828-833			C91-0769-05 CK45FF1H103Z CD04AT1H010M CD04AT1H100M CK45FF1H103Z	CERAMIC 0.010UF K CERAMIC 0.010UF Z ELECTRO 1UF 50WV ELECTRO 10UF 50WV CERAMIC 0.010UF Z		
C834 C835 C836-839 C840 C841			CQ93FMG1H103J CQ93FMG1H104J C91-0745-05 CQ93FMG1H104J C91-0745-05	MYLAR 0.010UF J MYLAR 0.10UF J CERAMIC 100PF K MYLAR 0.10UF J CERAMIC 100PF K		
C843 C844,845 C846 C847,848 C849			CD04BJ1H2R2M CK45FF1H103Z CQ93FMG1H103J C91-0745-05 CC45FCH1H100D	ELECTRO 2.2UF 50WV CERAMIC 0.010UF Z MYLAR 0.010UF J CERAMIC 100PF K CERAMIC 10PF D	Y Y	
C850 C851 C852			CC45FCH1H101J C91-0745-05 CK45FB1H102K	CERAMIC 100PF J CERAMIC 100PF K CERAMIC 1000PF K		
CN801 CN802 CN803		*	E41-1460-05 E41-1458-05 E41-1462-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR		
X800 X801			L78-0747-05 L78-0725-05	RESONATOR (4MHZ) RESONATOR (8.38MHZ)		
CP801 CP802 CP803 R849			R90-0500-05 R90-0855-05 R90-0493-05 RD14NB2E2R2J	MULTI-COMP 100KX6 J 1/4W MULTI-COMP 100KX5 J MULTI-COMP 100KX9 J 1/6W RD 2.2 J 1/4W		
S801-812 S801-812			S70-0031-05 S70-0086-05	TACT SWITCH TACT SWITCH		
S813,814 S815			T99-0666-05 T99-0664-05	ROTARY ENCODER ROTARY ENCODER		
D801 D801			HZS6.2N(B2) MTZJ6.2(B)	ZENER DIODE ZENER DIODE		

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KRF-V5090D/V6090D/VR-905/906

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D802-804 D802-804 D809 D809 D810			HSS104A 1SS133 HSS104A 1SS133 HSS104A	DIODE DIODE DIODE DIODE DIODE	KPY	
D810 D811 D811 D812,813 D814			1SS133 HSS104A 1SS133 RB441Q-40 HSS104A	DIODE DIODE DIODE DIODE DIODE	KPY	
D814 D816 D816 D819-828 D819-828			1SS133 HSS104A 1SS133 HSS104A 1SS133	DIODE DIODE DIODE DIODE DIODE	Y Y	
ED801 IC801 IC802 IC803 IC804			11-MT-143GNK MN12510F * S-80840CNY-GZ * XC6202P502THN * MN101C49KDB	FLUORESCENT INDICATOR TUBE MOS-IC ANALOGUE IC ANALOGUE IC MICROCONTROLLER IC		
IC806 Q802 Q802 Q803 Q803			* S-80840CNY-GZ 2SC1740S(Q,R) 2SC2785(F,E) 2SA1175(F,E) 2SA933AS(Q,R)	ANALOGUE IC TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	Y	
Q804-807 Q804-807			2SC1740S(Q,R) 2SC2785(F,E)	TRANSISTOR TRANSISTOR		
A801			W02-4599-05	ELECTRIC CIRCUIT MODULE		

VIDEO INPUT (X25-6730-10)

C101-107 C108,109 C110-115 C116 C117			CC45FCH1H100D CC45FCH1H820J CD04BJ1H100M CK45FF1H103Z CD04BJ1H100M	CERAMIC CERAMIC ELECTRO CERAMIC ELECTRO	10PF 82PF 10UF 0.010UF 10UF	D J 50WV Z 50WV	
C118 C119 C120 C121 C122			CD04BJ1A471M CK45FF1H103Z CD04BJ1H100M CD04BJ1A471M CD04BJ1V330M	ELECTRO CERAMIC ELECTRO ELECTRO ELECTRO	470UF 0.010UF 10UF 470UF 33UF	10WV Z 50WV 10WV 35WV	
C123 C124 C125 C126 C127-129			CD04BJ1H100M CD04BJ1A471M CQ93FMG1H104J CD04BJ1E470M CK45FF1H103Z	ELECTRO ELECTRO MYLAR ELECTRO CERAMIC	10UF 470UF 0.10UF 47UF 0.010UF	50WV 10WV J 25WV Z	
C130-132 C133 C134-141 C511			CQ93FMG1H104J CD04BJ1E470M CK45FF1H103Z CD04BJ1H100M	MYLAR ELECTRO CERAMIC ELECTRO	0.10UF 47UF 0.010UF 10UF	J 25WV Z 50WV	
CN501 J101 J102			E41-0928-05 * E63-1374-05 * E63-1375-05	PIN ASSY PIN JACK PIN JACK			
R517			RD14NB2E470J	RD	47	J 1/4W	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D501 D501 IC101 IC102 Q501			HZS5.6N(B2) MTZJ5.6(B) * NJM2584D-ZB * NJM2580D-ZB 2SC3940A(R,S)	ZENER DIODE ZENER DIODE ANALOGUE IC ANALOGUE IC TRANSISTOR		
Q503,504			DTC124ESA	DIGITAL TRANSISTOR		

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HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	CNTRY	Australia	Canada	Europe	PX/AAFES	USA
	ABB.	X	P	E	Y	K
KRF-V5090D	5	-	-	E1	Y1	-
KRF-V5090D-S	5	X2	-	E2	Y2	-
KRF-V6090D	6	-	-	E3	Y3	-
KRF-V6090D-S	6	X4	-	E4	-	-
VR-905	5	-	P5	-	-	-
VR-905-S	5	-	P6	-	-	K6
VR-906	6	-	P7	-	-	K7
VR-906-S	6	-	P8	-	-	K8

KRF-V5090D/V6090D/VR-905/906
PARTS LIST

KRF-V5090D/V6090D/VR-905/906

SPECIFICATIONS

For the U.S.A. and Canada

AUDIO section

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation

FRONT (40 ~ 20 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
CENTER (40 ~ 20 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W
SURROUND (40 ~ 20 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
SURROUND BACK (40 ~ 20 kHz, 0.7% T.H.D. at 8 Ω one channel driven)(VR-906)	100 W
Total harmonic distortion	0.05% (1 kHz, 50 W, 8 Ω)
Frequency response (IHF'66)	
CD/DVD	20 Hz ~ 70 kHz, 0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	
CD/DVD	95 dB
Input sensitivity / impedance	
CD/DVD, DVD, AUX, MD/TAPE, VIDEO1, VIDEO2	550 mV / 47 k Ω
Output level / impedance	
MD/TAPE REC	550 mV / 1 k Ω
PRE OUT (SUBWOOFER)	1.5 V / 2.2 k Ω
PRE OUT (SURROUND BACK)	1.5 V / 2.2 k Ω
Tone control	
BASS	± 10 dB (at 100 Hz)
TREBLE	± 10 dB (at 10 kHz)
Loudness control	
VOLUME at -30dB level	+8 dB (at 100 Hz)

For other countries

AUDIO section

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

DIN/IEC (63 Hz ~ 12.5 kHz, 0.7% T.H.D., at 8 Ω)	100 W + 100 W
Effective power output during SURROUND operation (1 kHz, 10% T.H.D., at 8 Ω)	120 W + 120 W
Effective power output during SURROUND operation	
FRONT	
(1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
(1 kHz, 10% T.H.D. at 8 Ω one channel driven)	120 W + 120 W
CENTER	
(1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W
(1 kHz, 10% T.H.D. at 8 Ω one channel driven)	120 W
SURROUND	
(1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
(1 kHz, 10% T.H.D. at 8 Ω one channel driven)	120 W + 120 W
SURROUND BACK (KRF-V6090D)	
(1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W
(1 kHz, 10% T.H.D. at 8 Ω one channel driven)	120 W
Total harmonic distortion	0.05% (1 kHz, 50 W, 8 Ω)
Frequency response (IHF'66)	
CD/DVD	20 Hz ~ 70 kHz, 0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	
CD/DVD	95 dB
Input sensitivity / impedance	
CD/DVD, AUX, MD/TAPE, VIDEO 1, VIDEO 2	550 mV / 47 k Ω
DVD/6CH INPUT	550 mV / 15 k Ω
Output level / impedance	
MD/TAPE REC	550 mV / 1 k Ω
PRE OUT (SUBWOOFER)	1.5 V / 2.2 k Ω
PRE OUT (SURROUND BACK)	1.5 V / 2.2 k Ω
Tone control	
BASS	± 10 dB (at 100 Hz)
TREBLE	± 10 dB (at 10 kHz)
Loudness control	
VOLUME at -30dB level	+8 dB (at 100 Hz)

DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input level / impedance / wave length	
Optical	(-15 dBm ~ -21 dBm), 660 nm \pm 30 nm
Coaxial	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs	
VIDEO (composite)	1 Vp-p / 75 Ω
S-VIDEO inputs / outputs(KRF-V6090D)	
S-VIDEO (luminance signal)	1 Vp-p / 75 Ω
S-VIDEO (chrominance signal)	0.286 Vp-p / 75 Ω
COMPONENT VIDEO inputs / outputs(except for VR-905)	
COMPONENT VIDEO (luminance signal)	1 Vp-p / 75 Ω
COMPONENT VIDEO (CB/CR-signal)	
VR-906	0.64 Vp-p / 75 Ω
KRF-V6090D/KRF-V5090D	0.7 Vp-p / 75 Ω

FM tuner section

Tuning frequency range	87.5 MHz ~ 108.0 MHz
Usable sensitivity (MONO)	
VR-906/VR-905	1.3 μ V (75 Ω) / 13.2 dBf (75 kHz DEV., SINAD 30 dB)
KRF-V6090D/KRF-V5090D	1.6 μ V (75 Ω) / 15.2 dBf (75 kHz DEV., SINAD 30 dB)
50dB quieting sensitivity	
STEREO	28 μ V (75 Ω) / 40.2 dBf
Total harmonic distortion (1 kHz)	
MONO	0.5% (71.2 dBf input)
STEREO	0.7% (71.2 dBf input)
Signal to noise ratio (1 kHz, 75 kHz DEV.)	
MONO	75 dB (71.2 dBf input)
STEREO	68 dB (71.2 dBf input)
Stereo separation (1 kHz)	40 dB
Selectivity (\pm 400 kHz) VR-906/VR-905	70 dB
KRF-V6090D/KRF-V5090D	50 dB
Frequency response (30 Hz ~ 15kHz), +0.5 dB, -3.0 dB	

AM tuner section

Tuning frequency range	
10 kHz step (VR-906/VR-905)	530 kHz ~ 1,700 kHz
10 kHz step (KRF-V6090D/KRF-V5090D)	530 kHz ~ 1,610 kHz
9 kHz step (KRF-V6090D/KRF-V5090D)	531 kHz ~ 1,602 kHz
Usable sensitivity (30% mod., S/N 20dB) (VR-906/VR-905)	16 μ V / (600 μ V/m)
Usable sensitivity (KRF-V6090D/KRF-V5090D)	16 μ V / (600 μ V/m)
Signal to noise ratio (30% mod. 1 mV input)	50 dB (60 dB μ V EMF input)

GENERAL

Power consumption	
VR-906/VR-905	2.2 A
KRF-V6090D/KRF-V5090D	280 W
Standby Power consumption	
VR-906/VR-905	less than 0.4 W
KRF-V6090D/KRF-V5090D	less than 1.3 W
AC outlet	
SWITCHED	
VR-906/VR-905	(total 150 W 1.25 A max.)
KRF-V6090D/KRF-V5090D	(total 90 W max.)
Dimensions	W: 440 mm (17-5/16")
	H: 143 mm (5-5/8")
	D: 303 mm (11-15/16")
Weight (Net)	
VR-906/VR-905	7.8kg (17.0 lb)
(KRF-V6090D/KRF-V5090D)	8.8kg (19.4 lb)

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

